

December 3, 2019

Alan Sundquist CDW Consultants, Inc. 6 Huron Drive Natick, MA 01760

Project Location: Beaver St., Waltham, MA

Client Job Number: Project Number: 1830

Laboratory Work Order Number: 19K1403

Michelle Kach

Enclosed are results of analyses for samples received by the laboratory on November 22, 2019. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Michelle M. Koch Project Manager

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CDW Consultants, Inc. 6 Huron Drive Natick, MA 01760 ATTN: Alan Sundquist

PURCHASE ORDER NUMBER:

REPORT DATE: 12/3/2019

PROJECT NUMBER:

ANALYTICAL SUMMARY

WORK ORDER NUMBER:

1830

19K1403

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION:

Beaver St., Waltham, MA

FIELD SAMPLE#	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
HB-1	19K1403-01	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-5	19K1403-02	Soil		SM 2540G	
				SW-846 6010D	
•				SW-846 7471B	
				SW-846 8270D-E	
HB-6	19K1403-03	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-7	19K1403-04	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-8	19K1403-05	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
НВ-9	19K1403-06	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-10	19K1403-07	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-11	19K1403-08	Soil		SM 2540G	
				SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-14	19K1403-09	Soil		SM 2540G	
115 11	17111 100 03			SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
HB-15	19K1403-10	Soil		SM 2540G	
יו-טוג	17101705-10	Jon		SW-846 6010D	
				SW-846 7471B	
				SW-846 8270D-E	
				2 2 2 2	



CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.



SW-846 6010D

ualifications

L-07

Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.

Analyte & Samples(s) Qualified:

Arsenic

B247130-BSD1

Vanadium

B247130-BSD1

SW-846 8270D-E

Qualifications:

L-04

Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.

Analyte & Samples(s) Qualified:

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-07[HB-10], 19K1403-07[HB-10],19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1

MS-09

Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated. Analyte & Samples(s) Qualified:

Benzidine

19K1403-02[HB-5], B246869-MS1, B246869-MSD1

Benzoic Acid

19K1403-02[HB-5], B246869-MS1, B246869-MSD1

Pyridine

9K1403-02[HB-5], B246869-MS1, B246869-MSD1

V-04

Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.

Analyte & Samples(s) Qualified:

Benzidine

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MS1, B246869-MSD1, S043199-CCV1

V-05

Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Analyte & Samples(s) Qualified:

Benzidine

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MS1, B246869-MSD1, S043199-CCV1

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MSD1, S043199-CCV1

Pentachlorophenol

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MSD1, B246869-MSD1, S043199-CCV1

V-34

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this compound. Reported result is estimated.

Analyte & Samples(s) Qualified:

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09[HB-14], 19K1403-10[HB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MS1, B246869-MSD1, S043199-CCV1

V-35

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this compound. Reported result is

estimated. alyte & Samples(s) Qualified:

19K1403-01[HB-1], 19K1403-02[HB-5], 19K1403-03[HB-6], 19K1403-04[HB-7], 19K1403-05[HB-8], 19K1403-06[HB-9], 19K1403-07[HB-10], 19K1403-08[HB-11], 19K1403-09fHB-14], 19K1403-10fHB-15], B246869-BLK1, B246869-BS1, B246869-BSD1, B246869-MS1, B246869-MSD1, S043199-CCV1

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

Lisa A. Worthington Technical Representative

na Watslengton



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-1

Sampled: 11/19/2019 10:00

Sample ID: 19K1403-01 Sample Matrix: Soil

		S	Semivolatile Organic C	ompounds b	y GC/MS				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Acenaphthene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Acenaphthylene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Acetophenone	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Aniline	ND	0.51	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzidine	ND	1.0	mg/Kg dry	1	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzo(a)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzo(a)pyrene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzo(b)fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzo(g,h,i)perylene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzo(k)fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Benzoic Acid	ND	1.5	mg/Kg dry	1	L-04	SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Bis(2-chloroethoxy)methane	ND	0.51	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Bis(2-chloroethyl)ether	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Bis(2-chloroisopropyl)ether	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Bromophenylphenylether	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
lutylbenzylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Carbazole	ND	0.26	mg/Kg dry	Ī		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Chloroaniline	ND	1.0	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Chloro-3-methylphenol	ND	1.0	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Chloronaphthalene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Chlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Chlorophenylphenylether	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Chrysene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Dibenz(a,h)anthracene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Dibenzofuran	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Di-n-butylphthalate	ND	0.51	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
1,2-Dichlorobenzene	ND	0.51	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
1,3-Dichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
1,4-Dichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
3,3-Dichlorobenzidine	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4-Dichlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Diethylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4-Dimethylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Dimethylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4,6-Dinitro-2-methylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4-Dinitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4-Dinitrotoluene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,6-Dinitrotoluene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Di-n-octylphthalate	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
,2-Diphenylhydrazine/Azobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Fluoranthene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Fluorene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB

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Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

ate Received: 11/22/2019

Field Sample #: HB-1

Sampled: 11/19/2019 10:00

Sample ID: 19K1403-01 Sample Matrix: Soil

Sample Matrix: Soil		Semi	volatile Organic Co	ompounds by	GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Hexachlorobutadiene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Hexachlorocyclopentadiene	ND	0.51	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Hexachloroethane	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Indeno(1,2,3-cd)pyrene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Isophorone	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
I-Methylnaphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Methylnaphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Methylphenol	ND	0.51	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
3/4-Methylphenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Naphthalene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Nitroaniline	ND	0.51	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
3-Nitroaniline	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Nitroaniline	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Nitrobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2-Nitrophenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
4-Nitrophenol	ND	1.0	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
-Nitrosodimethylamine	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
N-Nitrosodi-n-propylamine	ND	0.51	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Pentachloronitrobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Pentachlorophenol	ND	0.51	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Phenanthrene	ND	0.26	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Phenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Ругепе	ND	0.26	mg/Kg đry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Pyridine	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
1,2,4-Trichlorobenzene	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4,5-Trichlorophenol	ND	0.51	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
2,4,6-Trichlorophenol	ND	0.51	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:30	KLB
Surrogates		% Recovery	Recovery Limit	S	Flag/Qual				
2-Fluorophenol		75.9	30-130					11/27/19 18:30	
Phenol-d6		75.9	30-130					11/27/19 18:30	
Nitrobenzene-d5		72.6	30-130					11/27/19 18:30 11/27/19 18:30	
2-Fluorobiphenyl		71.9 79.2	30-130 30-130					11/27/19 18:30	
2,4,6-Tribromophenol		17.4	30-130						



- Project Location: Beaver St., Waltham, MA

Sample Description:

0.99

Work Order: 19K1403

11/27/19 18:28

11/26/19

SW-846 6010D

Date Received: 11/22/2019

Field Sample #: HB-1 Sampled: 11/19/2019 10:00

Sample ID: 19K1403-01 Sample Matrix: Soil

Zinc

		Metals Analyses (Total)							
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Arsenic	3.2	2.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Barium	47	2.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Beryllium	0.57	0.25	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Cadmium	ND	0.25	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Chromium	11	0.50	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Lead	73	0.74	mg/Kg dry	i		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Mercury	0.15	0.036	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:38	AJL
Nickel	9.0	0.50	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Selenium	ND	5.0	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:10	TBC
Silver	ND	0.50	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:10	TBC
Thallium	ND	2.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	tbc
Vanadium	34	0.99	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 17:42	TBC

mg/Kg dry



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-1

Sampled: 11/19/2019 10:00

Sample ID: 19K1403-01
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		66.3		% Wt	1		SM 2540G	11/25/19	11/26/19 10:34	adb



Project Location: Beaver St., Waltham, MA

Analyte

Sample Description:

Results

ND

0.42

0.21

0.42

0.42

0.42

0.42

0.42

0.82

0.42

0.42

0.42

0.42

0.21

I

1

1

1

1

1

1

1

1

1

1

1

1

mg/Kg dry

Work Order: 19K1403

Date Received: 11/22/2019 Field Sample #: HB-5

Sampled: 11/19/2019 12:00

Sample ID: 19K1403-02 Sample Matrix: Soil

Acenaphthene

Acetophenone

Aniline

Anthracene

Benzidine

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzo(g,h,i)perylene

Benzo(k)fluoranthene

Bis(2-chloroethyl)ether

Bis(2-chloroethoxy)methane

Bis(2-chloroisopropyl)ether

Bis(2-Ethylhexyl)phthalate

4-Bromophenylphenylether

4-Chloro-3-methylphenol

4-Chlorophenylphenylether

Dibenz(a,h)anthracene

Di-n-butylphthalate

1,2-Dichlorobenzene

1,3-Dichlorobenzenc

1,4-Dichlorobenzene

3,3-Dichlorobenzidine

2,4-Dichlorophenol

2,4-Dimethylphenol

Dimethylphthalate

2,4-Dinitrophenol

2,4-Dinitrotoluene

2,6-Dinitrotoluene

'l-n-octylphthalate

Fluoranthene

4,6-Dinitro-2-methylphenol

1,2-Diphenylhydrazine/Azobenzene

Diethylphthalate

2-Chloronaphthalene

iutylbenzylphthalate

Carbazole

4-Chloroaniline

2-Chlorophenol

Chrysene

Dibenzofuran

Benzo(a)pyrene

Benzoic Acid

Acenaphthylene

·········	Semivolatile Organic C	ompounds l	y GC/MS				
					Date	Date/Time	
RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.82	mg/Kg dry	1	MS-09, V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
1.2	mg/Kg dry	1	L-04, MS-09	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	ì		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	ing/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.82	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.82	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB

SW-846 8270D-E

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

11/27/19 18:53

KLB

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19

11/24/19



- Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-5

Sampled: 11/19/2019 12:00

Sample ID: 19K1403-02 Sample Matrix: Soil

		Sem	ivolatile Organic C	ompounds by	GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Fluorene	ND	0.21	mg/Kg dry	1	·	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Hexachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Hexachlorobutadiene	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Hexachlorocyclopentadiene	ND	0.42	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Hexachloroethane	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Indeno(1,2,3-cd)pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Isophorone	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
1-Methylnaphthalene	ND	0.21	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2-Methylnaphthalene	ND	0.21	mg/Kg dry	ŧ		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2-Methylphenol	ND	0.42	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
3/4-Methylphenol	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Naphthalene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
3-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
4-Nitroaniline	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Nitrobenzene	ND	0.42	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2-Nitrophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
-Nitrophenol	ND	0.82	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
N-Nitrosodimethylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
N-Nitrosodi-n-propylamine	ND	0.42	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Pentachloronitrobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Pentachlorophenol	ND	0.42	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Phenanthrene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Phenol	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Pyrene	ND	0.21	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Pyridine	ND	0.42	mg/Kg dry	1	MS-09	SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
1,2,4-Trichlorobenzene	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2,4,5-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
2,4,6-Trichlorophenol	ND	0.42	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 18:53	KLB
Surrogates		% Recovery	Recovery Limit	S	Flag/Qual				
2-Fluorophenol		75.4	30-130					11/27/19 18:53	
Phenol-d6		76.7	30-130					11/27/19 18:53	
Nitrobenzene-d5		74.3	30-130					11/27/19 18:53 11/27/19 18:53	
2-Fluorobiphenyl		77.7 84.6	30-130 30-130					11/27/19 18:53	
2,4,6-Tribromophenol p-Terphenyl-d14		98.9	30-130					11/27/19 18:53	



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-5

Sampled: 11/19/2019 12:00

Sample ID: 19K1403-02
Sample Matrix: Soil

			Metals Analy	ses (Total)					
Analyt	te Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	32	2.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Arsenic	11	2.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Barium	450	2.1	mg/Kg dry	ì		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Beryllium	0.28	0.21	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Cadmium	29	0.21	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Chromium	73	0.41	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Lead	2700	0.62	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Mercury	0.90	0.031	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:40	AJL
Nickel	170	0.41	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Selenium	ND	4.1	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:16	TBC
Silver	130	0.41	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:16	TBC
Thallium	ND	2.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	tbc
Vanadium	27	0.83	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 17:49	TBC
Zinc	5100	4.1	mg/Kg dry	5		SW-846 6010D	11/26/19	12/3/19 12:21	МЈН



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-5

Sampled: 11/19/2019 12:00

Sample ID: 19K1403-02
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

						Date	Date/Time		
Analyte	Results	RL Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst	
% Solids	80.3	% WI	1		SM 2540G	11/25/19	11/26/19 10:35	adb	



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-6

Sampled: 11/20/2019 08:30

Sample ID: 19K1403-03

Fluorene

ND

0.30

mg/Kg dry

			Semivolatile Organic C	ompounds b	y GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Acenaphthylene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Acctophenone	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Aniline	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzidine	ND	1.2	mg/Kg dry	1	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzo(a)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzo(a)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzo(b)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzo(g,h,i)perylene	ND	0.30	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzo(k)fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Benzoic Acid	ND	1.8	mg/Kg dry	ŧ	L-04	SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Bis(2-chloroethoxy)methane	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Bis(2-chloroethyl)ether	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Bis(2-chloroisopropyl)ether	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Bromophenylphenylether	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Butylbenzylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Carbazole	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Chloroaniline	ND	1.2	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Chloro-3-methylphenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Chloronaphthalene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Chlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Chlorophenylphenylether	ND	0.60	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Chrysene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Dibenz(a,h)anthracene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Dibenzofuran	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Di-n-butylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1,2-Dichlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1,3-Dichlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1,4-Dichlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
3,3-Dichlorobenzidine	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4-Dichlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Diethylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4-Dimethylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Dimethylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4,6-Dinitro-2-methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4-Dinitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4-Dinitrotoluene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,6-Dinitrotoluene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Di-n-octylphthalate	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
,2-Diphenylhydrazine/Azobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Fluoranthene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
			2 2 7						

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11/24/19 11/27/19 19:15 KLB

SW-846 8270D-E



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

pate Received: 11/22/2019
Field Sample #: HB-6

Sampled: 11/20/2019 08:30

Sample ID: 19K1403-03
Sample Matrix: Soil

		Sem	ivolatile Organic C	ompounds by	GC/MS				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Hexachlorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Hexachlorobutadiene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Hexachlorocyclopentadiene	ND	0.60	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Hexachloroethane	ND	0.60	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Indeno(1,2,3-cd)pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Isophorone	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1-Methylnaphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Methylnaphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
3/4-Methylphenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Naphthalene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Nitroaniline	ND	0.60	mg/Kg dry	ì		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
3-Nitroaniline	ND	0.60	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Nitroaniline	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Nitrobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2-Nitrophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
4-Nitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
-Nitrosodimethylamine	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
N-Nitrosodi-n-propylamine	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Pentachloronitrobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Pentachlorophenol	ND	0.60	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Phenanthrene	ND	0.30	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Phenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Pyrene	ND	0.30	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Pyridine	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1,2,4,5-Tetrachiorobenzene	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
1,2,4-Trichlorobenzene	ND	0.60	mg/Kg dry	ī		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4,5-Trichlorophenol	ND	0.60	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
2,4,6-Trichlorophenol	ND	0.60	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:15	KLB
Surrogates		% Recovery	Recovery Limit	S	Flag/Qual				
2-Fluorophenol		76.2	30-130					11/27/19 19:15	
Phenol-d6		77.6	30-130					11/27/19 19:15	
Nitrobenzene-d5		71.5	30-130					11/27/19 19:15	
2-Fluorobiphenyl		71.6	30-130					11/27/19 19:15 11/27/19 19:15	
2,4,6-Tribromophenol p-Terphenyl-d14		77.7 80.1	30-130 30-130					11/27/19 19:15	
p-respicity:-us-		00/1	30-130					17.13	



Project Location: Beaver St., Waltham, MA

Sample Description:

tion: Work Order: 19K1403

Date Received: 11/22/2019 Field Sample #: HB-6 Sample ID: 19K1403-03

Sample Matrix: Soil

Sampled: 11/20/2019 08:30

Metals	Ana	lyses	(Total)
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Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.9	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Arsenic	5.3	2.9	mg/Kg dry	ī		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Barium	45	2.9	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Beryllium	0.43	0.29	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Cadmium	ND	0.29	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Chromium	14	0.58	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Lead	170	0.87	mg/Kg dry	I		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Mercury	0.21	0.043	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:42	AJL
Nickel	22	0.58	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Selenium	ND	5.8	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:23	TBC
Silver	ND	0.58	mg/Kg dry	i		SW-846 6010D	11/26/19	12/3/19 0:23	TBC
Thallium	ND	2.9	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc
Vanadium	41	1.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:09	TBC
Zinc	63	1.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-6

Sampled: 11/20/2019 08:30

Sample ID: 19K1403-03
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

						Date	Date/Time	
Analyte	Results RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids	55.9	% Wt	1		SM 2540G	11/25/19	11/26/19 10:36	adb

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39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-7

Sampled: 11/20/2019 09:00

Sample ID: 19K1403-04
Sample Matrix: Soil

							Date	Data (Trime	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Acenaphthylene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Acetophenone	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Aniline	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Anthracene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzidine	ND	1.2	mg/Kg dry	1	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzo(a)anthracene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzo(a)pyrene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzo(b)fluoranthene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzo(g,h,i)perylene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzo(k)fluoranthene	ND	0.32	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Benzoic Acid	ND	1.9	mg/Kg dry	1	L-04	SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Bis(2-chloroethoxy)methane	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Bis(2-chloroethyl)ether	ND	0.64	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Bis(2-chloroisopropyl)ether	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Bromophenylphenylether	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
lutylbenzylphthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Carbazole	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Chloroaniline	ND	1.2	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Chloro-3-methylphenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Chloronaphthalene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Chlorophenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Chlorophenylphenylether	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Chrysene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Dibenz(a,h)anthracene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Dibenzofuran	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Di-n-butylphthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,2-Dichlorobenzene	ND	0.64	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,3-Dichlorobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,4-Dichlorobenzene	ND	0.64	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,3-Dichlorobenzidine	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
.4-Dichlorophenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Diethylphthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,4-Dimethylphenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Dimethylphthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,6-Dinitro-2-methylphenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,4-Dinitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,4-Dinitrotoluene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
,6-Dinitrotoluene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
i-n-octylphthalate	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Diphenylhydrazine/Azobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
luoranthene	0.39	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
luorene	ND	0.32	mg/Kg đry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019 rield Sample #: HB-7

Sampled: 11/20/2019 09:00

Sample ID: 19K1403-04 Sample Matrix: Soil

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Hexachlorobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Hexachlorobutadiene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Hexachlorocyclopentadiene	ND	0.64	mg/Kg dry	ì	V-05	SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Hexachloroethane	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Indeno(1,2,3-cd)pyrene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Isophorone	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
1-Methylnaphthalene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Methylnaphthalene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Methylphenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
3/4-Methylphenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Naphthalene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Nitroaniline	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
3-Nitroanitine	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Nitroaniline	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Nitrobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2-Nitrophenol	ND	0.64	mg/Kg dry	τ		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
4-Nitrophenol	ND	1.2	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
N-Nitrosodimethylamine	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
.i.Nitrosodiphenylamine/Diphenylamine	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
N-Nitrosodi-n-propylamine	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Pentachloronitrobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Pentachlorophenol	ND	0.64	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Phenanthrene	ND	0.32	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Phenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Pyrene	0.43	0.32	mg/Kg dry	ī		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Pyridine	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
1,2,4-Trichlorobenzene	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2,4,5-Trichlorophenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
2,4,6-Trichlorophenol	ND	0.64	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 19:38	KLB
Surrogates		% Recovery	Recovery Limits	;	Flag/Qual				
2-Fluorophenol		53.6	30-130					11/27/19 19:38	
Phenol-d6		57.7	30-130					11/27/19 19:38	
Nitrobenzene-d5		51.5	30-130					11/27/19 19:38	
2-Fluorobiphenyl		56.8	30-130					11/27/19 19:38	
2,4,6-Tribromophenol		61.8	30-130					11/27/19 19:38	
p-Terphenyl-d14		68.6	30-130					11/27/19 19:38	



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

ate Received: 11/22/2019

Field Sample #: HB-7

Sampled: 11/20/2019 09:00

Sample ID: 19K1403-04 Sample Matrix: Soil

Sallible Matrix, 3011			Metals Analy	/ses (Total)					
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Arsenic	9.1	3.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Barium	47	3.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Beryllium	0.47	0.31	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Cadmium	ND	0.31	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Chromium	15	0.62	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Lead	180	0.93	mg/Kg dry	I		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Mercury	0.30	0.046	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:43	AJL
Nickel	22	0.62	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc
Selenium	ND	6.2	mg/Kg dry	I		SW-846 6010D	11/26/19	12/3/19 0:29	TBC
Silver	ND	0.62	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:29	TBC
Thallium	ND	3.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	(bc
Vanadium	47	1.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:15	TBC
Zinc	64	1.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:47	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

ate Received: 11/22/2019 Field Sample #: HB-7

Sampled: 11/20/2019 09:00

Sample ID: 19K1403-04 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids	53.1		% Wı	1		SM 2540G	11/25/19	11/26/19 10:36	adb



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Pate Received: 11/22/2019 Field Sample #: HB-8

Sampled: 11/20/2019 09:30

Sample ID: 19K1403-05
Sample Matrix: Soil

Semivolatile Organic Compounds by GC/MS

contemplation Real of No. Ost 10 Ost 10 Player of myKe 40 or 10 SW446 627001. Clay 100 (12) (12) (12) (12) (12) (12) (12) (12)				J	•	•		_		
Acestophisprone ND 0.36 mg/Kg dy 1	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acatione ND 0.73 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2008 KLB Amiline ND 0.75 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2008 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB Beazdeline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 11/2419 112719 2001 KLB SW-466 8	Acenaphthene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Analiane ND 0.73 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.56 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 112479 112719 2008 KB Brastilline ND 0.57 mg/Kg dy 1 SW-466 8270D-E 112479 11247	Acenaphthylene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Amhracene NB 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardine ND 1.4 mg/Kg dy 1 VOA, VA5, VA3 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardine ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.36 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.37 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB Beardo()apyrace ND 0.33 mg/Kg dy 1 SW.346 \$270D.E 1124/19 1127/19 20.01 KLB B	Acetophenone	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Bearealisine ND	Aniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Benzo(s))Indirecence	Anthracene	ND	0.36	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Benox(ch)pyrene ND 0.36 mg/Kg dry 1 SW-446 8270D-E 11/24/9 11/27/9 20.01 KLB	Benzidine	ND	1.4	mg/Kg dry	1	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Bennoq(h) Benn	Benzo(a)anthracene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Beauco(gh.i)perylene	Benzo(a)pyrene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Benzok \(\text{bluoranthene}\) ND 0.36 \(\text{right} \)	Benzo(b)fluoranthene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Benzoic Acid ND 2.1 mg/Kg dry 1 L-04 SW-446 8270D-E 11/24/19 11/27/19 20.01 KLB	Benzo(g,h,i)perylene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Bit C-chlorosethoxy)methane	Benzo(k)fluoranthene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Bis(2-chloroestylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB Bis(2-chloroisopropylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB Sis(2-chloroisopropylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB SW-846 8270D-E SW-846	Benzoic Acid	ND	2.1	mg/Kg dry	1	L-04	SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Bis(2-chloroestylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB Bis(2-chloroisopropylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB Sis(2-chloroisopropylyscher ND 0.73 mg/Kg dy 1 SW-846 8270D-E 11/24/19 11/27/19 20.0 KLB SW-846 8270D-E SW-846	Bis(2-chloroethoxy)methane	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Big 2-Eithylnexyl)phthalate	Bis(2-chloroethyl)ether	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Bromophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 3uylbenzylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chloropaniline ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chloropaniline ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chloropaniline ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloropaphthalane ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphenylether ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphenylether ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphenylether ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphinhalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenylphinhalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloriphenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloritrophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloritrophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloritrophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloritrophenene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 1	Bis(2-chloroisopropyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Bis(2-Ethylhexyl)phthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	4-Bromophenylphenylether	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Chloroaniline ND 1.4 mg/Kg dry 1 NB 1.4 mg/Kg dry 1 NB NB 1.4 1.4 NB 1.4 1.4 NB 1.4 1.4 NB 1.4 1.4 NB 1.4 1.4 NB 1.	Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Chloro-3-methylphenol ND 1.4 ng/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chloronaphthalene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chlorophenylphenylether ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Chrysene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenza, h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenza, h)anthracene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846	L'arbazole	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Chloronaphthalene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Cblorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,2-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrofoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19	4-Chloroaniline	ND	1.4	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Chloronaphthalene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Chlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-b-ubuylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0	4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Chlorophenylphenylether ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenz(a,h)anthracene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1.3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1.3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1.4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dichlorobenzene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dichethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2.4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/	2-Chloronaphthalene	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Chlorophenylphen	2-Chlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	4-Chlorophenylphenylether	ND	0.73		i		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Dibenz(a,h)anthracene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,2-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Chrysene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Dibenzofuran ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,2-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 3,3-Dichlorobenzidine ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorobenzidine ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Dibenz(a,h)anthracene	ND	0.36		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Di-n-butylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,2-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimitrop	Dibenzofuran	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
1,2-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 3,3-Dichlorobenzidine ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 <t< td=""><td>Di-n-butylphthalate</td><td>ND</td><td>0.73</td><td></td><td>1</td><td></td><td>SW-846 8270D-E</td><td>11/24/19</td><td>11/27/19 20:01</td><td>KLB</td></t<>	Di-n-butylphthalate	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
1,3-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 3,3-Dichlorobenzidine ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 <td< td=""><td>1,2-Dichlorobenzene</td><td>ND</td><td>0.73</td><td></td><td>1</td><td></td><td>SW-846 8270D-E</td><td>11/24/19</td><td></td><td>KLB</td></td<>	1,2-Dichlorobenzene	ND	0.73		1		SW-846 8270D-E	11/24/19		KLB
1,4-Dichlorobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 3,3-Dichlorobenzidine ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 S	1,3-Dichlorobenzene	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
3,3-Dichlorobenzidine ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dicthylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate	1,4-Dichlorobenzene	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4-Dichlorophenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dicthylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	3,3-Dichlorobenzidine	ND	0.36		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Diethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	2,4-Dichlorophenol	ND	0.73		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4-Dimethylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,0-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Diethylphthalate		0.73		1		SW-846 8270D-E	11/24/19		KLB
Dimethylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	2,4-Dimethylphenol				1		SW-846 8270D-E	11/24/19		
4,6-Dinitro-2-methylphenol ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Dimethylphthalate				1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4-Dinitrophenol ND 1.4 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	4,6-Dinitro-2-methylphenol				1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	2,4-Dinitrophenol	ND	1,4		1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,6-Dinitrotoluene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	2,4-Dinitrotoluene				1		SW-846 8270D-E			
Di-n-octylphthalate ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB 2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	2,6-Dinitrotoluene									
2-Diphenylhydrazine/Azobenzene ND 0.73 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB										
	Fluoranthene									
Fluorene ND 0.36 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:01 KLB	Fluorene									

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Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

ate Received: 11/22/2019

Field Sample #: HB-8

Sampled: 11/20/2019 09:30

Sample ID: 19K1403-05
Sample Matrix: Soil

		Semi	volatile Organic Co	ompounds by	GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analys
Hexachlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Hexachlorobutadiene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Hexachlorocyclopentadiene	ND	0.73	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Hexachloroethane	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Indeno(1,2,3-cd)pyrene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Isophorone	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
1-Methylnaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Methylnaphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
3/4-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Naphthalene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Nitroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
3-Nitroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Nitroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Nitrobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
4-Nitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
-Nitrosodimethylamine	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.73	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
N-Nitrosodi-n-propylamine	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Pentachloronitrobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Pentachlorophenol	ND	0.73	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Phenanthrene	ND	0.36	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Phenol	ND	0.73	mg/Kg dry	ì		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Pyrene	0.48	0.36	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Pyridine	ND	0.73	mg/Kg dry	ŧ		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4,5-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
2,4,6-Trichlorophenol	ND	0,73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:01	KLB
Surrogates		% Recovery	Recovery Limits	3	Flag/Qual				
2-Fluorophenol		68.8	30-130					11/27/19 20:01	
Phenol-d6		71.0	30-130					11/27/19 20:01	
Nitrobenzene-d5		66.6	30-130					11/27/19 20:01	
2-Fluorobiphenyl		68.4	30-130					11/27/19 20:01	
2,4,6-Tribromophenol p-Terphenyl-d14		76.9 84.1	30-130 30-130					11/27/19 20:01 11/27/19 20:01	

Work Order: 19K1403



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Beaver St., Waltham, MA

Sample Description:

Date Received: 11/22/2019
Field Sample #: HB-8

Sampled: 11/20/2019 09:30

Sample ID: 19K1403-05 Sample Matrix: Soil

Metals Analyses (Total)

	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony		ND	3.6	mg/Kg dry	l		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Arsenic		5.3	3.6	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Barium		51	3.6	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Beryllium		0.54	0.36	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Cadmium		ND	0.36	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Chromium		16	0.72	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Lead		160	1.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Mercury		0.22	0.057	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:45	AJL
Nickel		13	0.72	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Selenium		ND	7.2	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:35	TBC
Silver		ND	0.72	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:35	TBC
Thallium		ND	3.6	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc
Vanadium		49	1.4	mg/Kg dry	I		SW-846 6010D	11/26/19	11/27/19 18:22	TBC
Zinc		78	1.4	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-8

Sampled: 11/20/2019 09:30

Sample ID: 19K1403-05
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		45.7		% Wı	1		SM 2540G	11/25/19	11/26/19 10:36	adb



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019 Field Sample #: HB-9

Sampled: 11/20/2019 10:00

Sample ID: 19K1403-06 Sample Matrix: Soil

Semivolatile (Irganic Com	nounds by	CC/MS

Acenaphthene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Acenaphthylene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Acetophenone ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Aniline ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzol(a)anthracene ND 0.39 mg/Kg dry 1 V-04, V-05, V-35 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzol(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Acenaphthylene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Acetophenone ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Aniline ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Acetophenone ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Aniline ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzidine ND 1.5 mg/Kg dry 1 V-04, V-05, V-35 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Aniline ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzidine ND 1.5 mg/Kg dry 1 V-04, V-05, V-35 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB KLB KLB KLB KLB KLB KLB KLB KLB
Anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine ND 1.5 mg/Kg dry 1 V-04, V-05, V-35 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.43 0.49 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzoidine 0.44 0.44 0.44 0.44 0.44 0.44 0.44 0.4	KLB KLB KLB KLB KLB KLB KLB KLB
Benzidine ND 1.5 mg/Kg dry 1 V-04, V-05, V-35 SW-846 8270D-E 11/24/19 11/27/19 20:23 Kg Benzo(a)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 Kg Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 Kg Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 Kg Benzo(b)fluoranthene	KLB KLB KLB KLB KLB KLB KLB
Benzo(a)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB KLB KLB KLB KLB
Benzo(a)pyrene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB KLB KLB KLB
Benzo(b)fluoranthene 0.43 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB KLB
	KLB KLB KLB
Benzo(g,h,i)perylene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB KLB
e e e	KLB
Benzo(k)fluoranthene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	
Benzoic Acid ND 2.3 mg/Kg dry I L-04 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	
Bis(2-chlorocthoxy)methane ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Bis(2-chloroethyl)ether ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Bis(2-chloroisopropyl)ether ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Bis(2-Ethylhexyl)phthalate ND 0.79 mg/Kg dry I SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
4-Bromophenylphenylether ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Butylbenzylphthalate ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	ΚLB
arbazole ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
4-Chloroaniline ND 1.5 mg/Kg dry 1 V-34 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
4-Chloro-3-methylphenol ND 1.5 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
2-Chloronaphthalene ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
2-Chlorophenol ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
4-Chlorophenylphenylether ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Chrysene 0.41 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
Dibenz(a,h)anthracene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	KLB
	KLB
Di-n-butylphthalate ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	(LB
1,2-Dichlorobenzene ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
1,3-Dichlorobenzene ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
1,4-Dichlorobenzene ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
3,3-Dichlorobenzidine ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
74 Districtional	CLB
	KLB
2,4-Dimethylphenol ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
Dimethylphthalate ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	(LB
4,6-Dinitro-2-methylphenol ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
2,4-Dinitrophenol ND 1.5 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	LB
2,4-Dinitrotoluene ND 0.79 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	CLB
	LB
	LB
	LB
	LB
Fluorene ND 0.39 mg/Kg dry 1 SW-846 8270D-E 11/24/19 11/27/19 20:23 K	

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Project Location: Beaver St., Waltham, MA

Sample Description:

67.2

73.7

30-130

30-130

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-9

Sampled: 11/20/2019 10:00

Sample ID: 19K1403-06
Sample Matrix: Soil

2,4,6-Tribromophenol

p-Terphenyl-d14

		Sem	ivolatile Organic Co	mpounds by	GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analys
Hexachlorobenzene	ND	0.79	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Hexachlorobutadiene	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Hexachlorocyclopentadiene	ND	0.79	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Hexachloroethane	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Indeno(1,2,3-cd)pyrene	ND	0.39	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Isophorone	ND	0.79	mg/Kg dry	t		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
1-Methylnaphthalene	ND	0.39	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2-Methylnaphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2-Methylphenol	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
3/4-Methylphenol	ND	0.79	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Naphthalene	ND	0.39	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2-Nitroaniline	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
3-Nitroaniline	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
4-Nitroaniline	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Nitrobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2-Nitrophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
-Nitrosodimethylamine	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
N-Nitrosodi-n-propylamine	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Pentachloronitrobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Pentachlorophenol	ND	0.79	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Phenanthrene	ND	0.39	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Phenol	ND	0.79	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Pyrene	0.74	0.39	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Pyridine	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
1,2,4-Trichlorobenzene	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2,4,5-Trichlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
2,4,6-Trichlorophenol	ND	0.79	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:23	KLB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		63.6	30-130					11/27/19 20:23	
Phenol-d6		65.6	30-130					11/27/19 20:23	
Nitrobenzene-d5		60.8	30-130					11/27/19 20:23 11/27/19 20:23	
2-Fluorobiphenyl		61.6	30-130					11/2//17 20:23	

11/27/19 20:23

11/27/19 20:23



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

)ate Received: 11/22/2019

Field Sample #: HB-9

Sampled: 11/20/2019 10:00

Sample ID: 19K1403-06 Sample Matrix: Soil

			Metals Anal	yses (Total)					
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Arsenic	7.0	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Barium	54	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Beryllium	0.41	0.38	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Cadmium	ND	0.38	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Chromium	16	0.76	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Lead	200	1.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Mercury	0.22	0.059	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:46	AJL
Nickel	18	0.76	mg/Kg dry	I		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Selenium	ND	7.6	mg/Kg dry	I		SW-846 6010D	11/26/19	12/3/19 0:42	TBC
Silver	ND	0.76	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:42	TBC
Thallium	ND	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc
Vanadium	42	1.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:28	TBC
Zinc	140	1.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:59	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-9

Sampled: 11/20/2019 10:00

Sample ID: 19K1403-06
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

							Date	Date/Time	
	Analyte	Results RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		42.7	% Wt	1		SM 2540G	11/25/19	11/26/19 10:37	adb

Work Order: 19K1403



39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332

Project Location: Beaver St., Waltham, MA

Sample Description:

ounipro 2 trongmon

Pate Received: 11/22/2019 Field Sample #: HB-10 Sample ID: 19K1403-07

Sample Matrix: Soil

Sampled: 11/20/2019 10:30

Semivolatile	Organic	Compounds	by	GC/MS
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			Semivolatile Organic C	ompounds b	y GC/MS				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Acenaphthene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Acenaphthylene	ND	0.38	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Acetophenone	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Aniline	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzidine	ND	1.5	mg/Kg dry	1	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzo(a)anthracene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzo(a)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzo(b)fluoranthene	0.39	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzo(g,h,i)perylene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzo(k)fluoranthene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Benzoic Acid	ND	2.2	mg/Kg dry	1	L-04	SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Bis(2-chloroethoxy)methane	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Bis(2-chloroethyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Bis(2-chloroisopropyl)ether	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.75	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Bromophenylphenylether	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Butylbenzylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Larbazole	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Chloroaniline	ND	1.5	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Chloro-3-methylphenol	ND	1.5	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Chloronaphthalene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Chlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Chlorophenylphenylether	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Chrysene	ND	0.38	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Dibenz(a,h)anthracene	ND	0.38	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Dibenzofuran	ND	0.75	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Di-n-butylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1,2-Dichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1,3-Dichlorobenzene	ND	0.75	mg/Kg dry	ì		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1,4-Dichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4-Dichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Diethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4-Dimethylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Dimethylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4,6-Dinitro-2-methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4-Dinitrophenol	ND	1.5	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,6-Dinitrotoluene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Di-n-octylphthalate	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Diphenylhydrazine/Azobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Fluoranthene	0.60	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Fluorene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB

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Project Location: Beaver St., Waltham, MA

Sample Description:

85.4

30-130

Work Order: 19K1403

Pate Received: 11/22/2019 Field Sample #: HB-10

Sampled: 11/20/2019 10:30

Sample ID: 19K1403-07 Sample Matrix: Soil

p-Terphenyl-d14

Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Hexachlorobutadiene	ND	0.75	mg/Kg dry	ī		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Hexachlorocyclopentadicne	ND	0.75	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Hexachloroethane	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Indeno(1,2,3-cd)pyrene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Isophorone	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Methylnaphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
3/4-Methylphenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Naphthalene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
3-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Nitroaniline	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Nitrobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2-Nitrophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
4-Nitrophenol	ND	1.5	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
I-Nitrosodimethylamine	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
N-Nitrosodi-n-propylamine	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Pentachloronitrobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Pentachlorophenol	ND	0.75	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Phenanthrene	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Phenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Рутепе	0.67	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Pyridine	ND	0.75	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
1,2,4-Trichlorobenzene	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4,5-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
2,4,6-Trichlorophenol	ND	0.75	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 20:46	KLB
Surrogates		% Recovery	Recovery Limit	s	Flag/Qual				
2-Fluorophenol		63.2	30-130					11/27/19 20:46	
Phenol-d6		65.7	30-130					11/27/19 20:46	
Nitrobenzene-d5		61.6	30-130					11/27/19 20:46	
2-Fluorobiphenyl		67.0 71.6	30-130 30-130					11/27/19 20:46 11/27/19 20:46	
2,4,6-Tribromophenol		/1.0	30-130		*			11/2//19 20:40	

11/27/19 20:46



Metals Analyses (Total)

Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-10

Sampled: 11/20/2019 10:30

Sample ID: 19K1403-07
Sample Matrix: Soil

				, , ,					
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Antimony	ND	3.8	mg/Kg dry	l		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Arsenic	12	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Barium	50	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Beryllium	0.51	0.38	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Cadmium	0.41	0.38	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Chromium	16	0.77	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Lead	270	1.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Mercury	0.29	0.056	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:48	AJL
Nickel	19	0.77	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Selenium	ND	7.7	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:48	TBC
Silver	ND	0.77	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 0:48	TBC
Thallium	ND	3.8	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc
Vanadium	66	1.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:34	TBC
Zinc	110	1.5	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:04	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-10

Sampled: 11/20/2019 10:30

Sample ID: 19K1403-07 Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids	44.1		% Wt	1		SM 2540G	11/25/19	11/26/19 10:37	adb



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-11

Sampled: 11/20/2019 11:00

Sample ID: 19K1403-08 Sample Matrix: Soil

			Semivolatile Organic C	ompounds b	y GC/MS				
	n .	DY	¥1-44-	Diludes.	Floor(Ossal	Method	Date Prepared	Date/Time Analyzed	Analyst
Analyte Acenaphthene	Results	RL 0.28	Units mg/Kg dry	Dilution 1	Flag/Qual	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Acenaphthylene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Acetophenone	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Aniline	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzidine	ND	1.1	mg/Kg dry	i	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzo(a)anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzo(a)pyrene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzo(b)fluoranthene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzo(g,h,i)perylene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzo(k)fluoranthene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Benzoic Acid	ND	1.6	mg/Kg dry	1	L-04	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Bis(2-chloroethoxy)methane	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Bis(2-chloroethyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Bis(2-chloroisopropyl)ether	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Bromophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Sutylbenzylphthalate	ND	0.56	mg/Kg dry	ì		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Carbazole	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Chloroaniline	ND	1.1	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Chloro-3-methylphenol	ND	1.1	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Chloronaphthalene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Chlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Chlorophenylphenylether	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Chrysene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB KLB
Dibenz(a,h)anthracene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19 11/24/19	11/27/19 21:09 11/27/19 21:09	KLB
Dibenzofuran Di a katalahahalan	ND	0.56	mg/Kg dry	1		SW-846 8270D-E SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Di-n-butylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1,2-Dichlorobenzene 1,3-Dichlorobenzene	ND ND	0.56 0.56	mg/Kg dry mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1,4-Dichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
3,3-Dichlorobenzidine	ND	0.38	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4-Dichlorophenol	ND	0.56	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Diethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4-Dimethylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Dimethylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4,6-Dinitro-2-methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4-Dinitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,6-Dinitrotoluene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Di-n-octylphthalate	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1,2-Diphenylhydrazinc/Azobenzene	ND	0.56	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Fluoranthene	ND	0.28	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Fluorene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB

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Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

)ate Received: 11/22/2019 Field Sample #: HB-11

Sampled: 11/20/2019 11:00

Sample ID: 19K1403-08 Sample Matrix: Soil

Sample Matrix: Soil Semivolatile Organic Compounds by GC/MS									
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Hexachlorobutadiene	ND	0.56	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Hexachlorocyclopentadiene	ND	0.56	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Hexachloroethane	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Indeno(1,2,3-cd)pyrene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Isophorone	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Methylnaphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
3/4-Methylphenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Naphthalene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
3-Nitroaniline	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Nitroaniline	ND	0.56	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Nitrobenzene	ND	0.56	mg/Kg dry	t		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2-Nitrophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
4-Nitrophenol	ND	1.1	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
N-Nitrosodimethylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
N-Nitrosodi-n-propylamine	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Pentachloronitrobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Pentachlorophenol	ND	0.56	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Phenanthrene	ND	0.28	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Phenoi	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Pyrene	ND	0.28	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Pyridine	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
1,2,4-Trichlorobenzene	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4,5-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
2,4,6-Trichlorophenol	ND	0.56	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:09	KLB
Surrogates		% Recovery	Recovery Limit	s	Flag/Qual				
2-Fluorophenol		65.4	30-130					11/27/19 21:09	
Phenol-d6		68.3	30-130					11/27/19 21:09	
Nitrobenzene-d5		64.8	30-130					11/27/19 21:09 11/27/19 21:09	
2-Fluorobiphenyl		69.5 74.5	30-130 30-130					11/27/19 21:09	
2,4,6-Tribromophenol p-Terphenyl-d14		74.3 89.2	30-130					11/27/19 21:09	



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019

Field Sample #: HB-11

Sampled: 11/20/2019 11:00

Sample ID: 19K1403-08
Sample Matrix: Soil

			Metals Analy	ses (Total)					
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Antimony	ND	2.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Arsenic	4.9	2.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Barium	58	2.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Beryllium	0.53	0.27	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Cadmium	ND	0.27	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Chromium	14	0.55	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Lead	120	0.82	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Mercury	0.11	0.039	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:50	AJL
Nickel	10	0.55	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Selenium	ND	5.5	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:12	TBC
Silver	ND	0.55	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:12	TBC
Thallium	ND	2.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc
Vanadium	38	1.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:41	TBC
Zinc	59	1.1	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:10	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-11

Sampled: 11/20/2019 11:00

Sample ID: 19K1403-08
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids	60,5		% Wt	1		SM 2540G	11/25/19	11/26/19 10:37	adb



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-14
Sample ID: 19K1403-09

Sample Matrix: Soil

Sampled: 11/20/2019 12:00

Semivolatile	Organic	Compounds	by	GC/MS
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Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Acenaphthene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Acenaphthylene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Acetophenone	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Aniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzidine	ND	1.4	mg/Kg dry	I	V-04, V-05, V-35	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzo(a)anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzo(a)pyrene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzo(b)fluoranthene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzo(g,h,i)perylene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzo(k)fluoranthene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Benzoic Acid	ND	2.2	mg/Kg dry	ì	L-04	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Bis(2-chloroethoxy)methane	ND	0.73	mg/Kg dry	ī		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Bis(2-chloroethyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Bis(2-chloroisopropyl)ether	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Bromophenylphenylether	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Butylbenzylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Carbazole	ND	0.37	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Chloroaniline	ND	1.4	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Chloro-3-methylphenol	ND	1.4	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Chloronaphthalene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Chlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Chlorophenylphenylether	ND	0.73	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Chrysene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Dibenz(a,h)anthracene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Dibenzofuran	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Di-n-butylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
1,2-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
1,3-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
1,4-Dichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
3,3-Dichlorobenzidine	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4-Dichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Diethylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4-Dimethylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Dimethylphthalate	ND	0.73	mg/Kg dry	l		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4,6-Dinitro-2-methylphenol	ND	0.73	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4-Dinitrophenol	ND	1.4	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,6-Dinitrotoluene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Di-n-octylphthalate	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
,2-Diphenylhydrazine/Azobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Fluoranthene	0.39	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Fluorene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB

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Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

ate Received: 11/22/2019 Field Sample #: HB-14 Sample ID: 19K1403-09

Sample Matrix: Soil

Sampled: 11/20/2019 12:00

Sample Matrix, Soil		Semi	volatile Organic Co	ompounds by	GC/MS				
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Date Prepared	Date/Time Analyzed	Analyst
Hexachlorobenzene	ND	0.73	mg/Kg dry	1	rub Zun	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Hexachlorobutadiene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Hexachlorocyclopentadiene	ND	0.73	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Hexachloroethane	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Indeno(1,2,3-cd)pyrene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Isophorone	ND	0.73	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
1-Methylnaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Methylnaphthalene	ND	0.37	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
3/4-Methylphenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Naphthalene	ND	0.37	mg/Kg dry	ī		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Nitroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
3-Nitroaniline	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Nitroaniline	ND	0.73	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Nitrobenzene	ND	0.73	mg/Kg dry	i		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2-Nitrophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
4-Nitrophenol	ND	1.4	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
I-Nitrosodimethylamine	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
N-Nitrosodi-n-propylamine	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Pentachloronitrobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Pentachlorophenol	ND	0.73	mg/Kg dry	i I	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Phenanthrene	ND ND	0.73		1	V-03	SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Phenol			mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Pyridine Pyridine	0.42	0.37	ing/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
•	ND	0.73	mg/Kg dry				11/24/19	11/27/19 21:31	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E			
1,2,4-Trichlorobenzene	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4,5-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
2,4,6-Trichlorophenol	ND	0.73	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:31	KLB
Surrogates		% Recovery	Recovery Limits	1	Flag/Qual			11/05/10 01 31	
2-Fluorophenol		69.8 74.2	30-130 30-130					11/27/19 21:31 11/27/19 21:31	
Phenol-d6 Nitrobenzene-d5		74.2 69.4	30-130					11/27/19 21:31	
2-Fluorobiphenyl		68.2	30-130					11/27/19 21:31	
2,4,6-Tribromophenol		74.4	30-130					11/27/19 21:31	
p-Terphenyl-d14		75.2	30-130					11/27/19 21:31	



1

1

mg/Kg dry

mg/Kg dry

Project Location: Beaver St., Waltham, MA

Analyte

Sample Description:

1.5

1.5

54

73

Work Order: 19K1403

Pate Received: 11/22/2019
Field Sample #: HB-14

Sampled: 11/20/2019 12:00

Sample ID: 19K1403-09 Sample Matrix: Soil

Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Lead
Mercury
Nickel
Selenium
Silver
Thallium

Vanadium

Zinc

		Metals Analy	ses (Total)					
						Date	Date/Time	
Result	ts RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
ND	3.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
6.3	3.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
54	3.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
0.56	0.37	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
ND	0.37	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
15	0.73	mg/Kg dry	l		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
150	1.1	mg/Kg dry	l		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
0.23	0.054	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:51	AJL
13	0.73	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc
ND	7.3	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:18	TBC
ND	0.73	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:18	TBC
ND	3.7	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:16	tbc

SW-846 6010D

SW-846 6010D

11/26/19

11/26/19

11/27/19 18:47

11/27/19 19:16

TBC

tbc



oject Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

rate Received: 11/22/2019
Field Sample #: HB-14

Field Sample #: HB-14
Sample ID: 19K1403-09

Sample Matrix: Soil

Sampled: 11/20/2019 12:00

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids	45.7		% Wt	1		SM 2540G	11/25/19	11/26/19 10:38	adb



- Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-15

Sampled: 11/20/2019 13:00

Sample ID: 19K1403-10
Sample Matrix: Soil

			Semivolatile Organic C	compounds b	y GC/MS				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Acenaphthene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Acenaphthylene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Acetophenone	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Aniline	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzidine	ND	0.86	mg/Kg dry	t	V-35, V-04, V-05	SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzo(a)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzo(a)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzo(b)fluoranthene	ND	0.22	mg/Kg dry	t		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzo(g,h,i)perylene	ND	0.22	mg/Kg dry	1 .		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzo(k)fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Benzoic Acid	ND	1.3	mg/Kg dry	l	L-04	SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Bis(2-chloroethoxy)methane	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Bis(2-chloroethyl)ether	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Bis(2-chloroisopropyl)ether	ND	0.44	mg/Kg dry	I		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Bis(2-Ethylhexyl)phthalate	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Bromophenylphenylether	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
lutylbenzylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Carbazole	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Chloroaniline	ND	0.86	mg/Kg dry	1	V-34	SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Chloro-3-methylphenol	ND	0.86	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Chloronaphthalene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Chlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Chlorophenylphenylether	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Chrysene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Dibenz(a,h)anthracene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Dibenzofuran	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Di-n-butylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1,2-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1,3-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1,4-Dichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
3,3-Dichlorobenzidine	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4-Dichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Diethylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4-Dimethylphenol	ND	0.44	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Dimethylphthalate	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4,6-Dinitro-2-methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4-Dinitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,6-Dinitrotoluene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Di-n-octylphthalate	ND	0.44	mg/Kg dry	ı		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
,2-Diphenylhydrazine/Azobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Fluoranthene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Fluorene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB

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roject Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Jate Received: 11/22/2019
Field Sample #: HB-15

Sampled: 11/20/2019 13:00

Sample ID: 19K1403-10
Sample Matrix: Soil

		Semi	ivolatile Organic Co	mpounds by	GC/MS				
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Hexachlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Hexachlorobutadiene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Hexachlorocyclopentadiene	ND	0.44	mg/Kg dry	l	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Hexachloroethane	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Indeno(1,2,3-cd)pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Isophorone	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Methylnaphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
3/4-Methylphenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Naphthalene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Nitroaniline	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
3-Nitroaniline	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Nitroaniline	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Nitrobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2-Nitrophenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
4-Nitrophenol	ND	0.86	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
I-Nitrosodimethylamine	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
N-Nitrosodiphenylamine/Diphenylamine	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
N-Nitrosodi-n-propylamine	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Pentachloronitrobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Pentachlorophenol	ND	0.44	mg/Kg dry	1	V-05	SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Phenanthrene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Phenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Pyrene	ND	0.22	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Pyridine	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1,2,4,5-Tetrachlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
1,2,4-Trichlorobenzene	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4,5-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
2,4,6-Trichlorophenol	ND	0.44	mg/Kg dry	1		SW-846 8270D-E	11/24/19	11/27/19 21:54	KLB
Surrogates		% Recovery	Recovery Limits		Flag/Qual				
2-Fluorophenol		72.7	30-130					11/27/19 21:54	
Phenol-d6		77.1	30-130					11/27/19 21:54	
Nitrobenzene-d5		68.6	30-130					11/27/19 21:54	
2-Fluorobiphenyl		67.6	30-130					11/27/19 21:54	
2,4,6-Tribromophenol		78.9	30-130					11/27/19 21:54	
p-Terphenyl-d14		78.6	30-130					11/27/19 21:54	



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Jate Received: 11/22/2019
Field Sample #: HB-15

Sampled: 11/20/2019 13:00

Sample ID: 19K1403-10 Sample Matrix: Soil

			Metals Analy	ses (Total)					
							Date	Date/Time	
Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
Antimony	ND	2.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Arsenic	3.8	2.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Barium	46	2.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Beryllium	0.38	0.22	mg/Kg dry	ı		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Cadmium	ND	0.22	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Chromium	11	0.44	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Lead	83	0.66	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Mercury	0.091	0.033	mg/Kg dry	1		SW-846 7471B	11/26/19	11/26/19 18:57	AJL
Nickel	7.2	0.44	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Selenium	ND	4.4	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:25	TBC
Silver	ND	0.44	mg/Kg dry	1		SW-846 6010D	11/26/19	12/3/19 1:25	TBC
Thallium	ND	2.2	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc
Vanadium	26	0.88	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 18:53	TBC
Zinc	45	0.88	mg/Kg dry	1		SW-846 6010D	11/26/19	11/27/19 19:33	tbc



Project Location: Beaver St., Waltham, MA

Sample Description:

Work Order: 19K1403

Date Received: 11/22/2019
Field Sample #: HB-15

Sampled: 11/20/2019 13:00

Sample ID: 19K1403-10
Sample Matrix: Soil

Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total)

								Date	Date/Time	
	Analyte	Results	RL	Units	Dilution	Flag/Qual	Method	Prepared	Analyzed	Analyst
% Solids		76.0		% Wı	1		SM 2540G	11/25/19	11/26/19 10:38	adh



Sample Extraction Data

Prep Method: % Solids-SM 2540G

Lab Number [Field ID]	Batch	Date
19K1403-01 [HB-1]	B246947	11/25/19
19K1403-02 [HB-5]	B246947	11/25/19
19K1403-03 [HB-6]	B246947	11/25/19
19K1403-04 [HB-7]	B246947	11/25/19
19K1403-05 [HB-8]	B246947	11/25/19
19K1403-06 [HB-9]	B246947	11/25/19
19K1403-07 [HB-10]	B246947	11/25/19
19K1403-08 [HB-11]	B246947	11/25/19
19K1403-09 [HB-14]	B246947	11/25/19
19K1403-10 [HB-15]	B246947	11/25/19

Prep Method: SW-846 3050B-SW-846 6010D

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date	
19K1403-01 [HB-1]	B247130	1.52	50.0	11/26/19	
19K1403-02 [HB-5]	B247130	1.51	50.0	11/26/19	
19K1403-03 [HB-6]	B247130	1.54	50.0	11/26/19	
19K1403-04 [HB-7]	B247130	1.52	50.0	11/26/19	
19K1403-05 [HB-8]	B247130	1.52	50.0	11/26/19	
19K1403-06 [HB-9]	B247130	1.54	50.0	11/26/19	
19K1403-07 [HB-10]	B247130	1.48	50.0	11/26/19	
19K1403-08 [HB-11]	B247130	1.51	50.0	11/26/19	
C1403-09 [HB-14]	B247130	1.50	50.0	11/26/19	
19K1403-10 [HB-15]	B247130	1.49	50.0	11/26/19	

Prep Method: SW-846 7471-SW-846 7471B

Lab Number [Field ID]	Batch	Initial [g]	Final [mL]	Date	
19K1403-01 [HB-1]	B247073	0.625	50.0	11/26/19	
19K1403-02 [HB-5]	B247073	0.606	50.0	11/26/19	
19K1403-03 [HB-6]	B247073	0,622	50.0	11/26/19	
19K1403-04 [HB-7]	B247073	0.612	50.0	11/26/19	
19K1403-05 [HB-8]	B247073	0.579	50.0	11/26/19	
19K1403-06 [HB-9]	B247073	0.600	50.0	11/26/19	
19K1403-07 [HB-10]	B247073	0.610	50.0	11/26/19	
19K1403-08 [HB-11]	B247073	0.639	50.0	11/26/19	
19K1403-09 [HB-14]	B247073	0.607	50.0	11/26/19	
19K1403-10 [HB-15]	B247073	0.607	50.0	11/26/19	

Prep Method: SW-846 3546-SW-846 8270D-E

Lab Number [Field ID]	Batch	Initial [g]	Final (mL)	Date	
19K1403-01 [HB-1]	B246869	30.0	1.00	11/24/19	
19K1403-02 [HB-5]	B246869	30.1	1.00	11/24/19	
19K1403-03 [HB-6]	B246869	30.6	1.00	11/24/19	
19K1403-04 [HB-7]	B246869	30.1	1.00	11/24/19	
19K1403-05 [HB-8]	B246869	30.6	1.00	11/24/19	
K1403-06 [HB-9]	B246869	30.3	1.00	11/24/19	
1403-07 [HB-10]	B246869	30.7	1.00	11/24/19	
19K1403-08 [HB-11]	B246869	30.2	1.00	11/24/19	
19K1403-09 [HB-14]	B246869	30.4	1.00	11/24/19	



Sample Extraction Data

Prep Method: SW-846 3546-SW-846 8270D-E

Lab Number (Field ID)	Batch	Initial [g]	Final [mL]	Date
19K1403-10 [HB-15]	B246869	30.3	1,00	11/24/19



Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B246869 - SW-846 3546										
Blank (B246869-BLK1)				Prepared: 11	/24/19 Analy	/zed: 11/27/1	9			
Acenaphthene	ND	0.17	mg/Kg wet							
Acenaphthylene	ND	0.17	mg/Kg wet							
Acetophenone	ND	0.34	mg/Kg wet							
Aniline	ND	0.34	mg/Kg wet							
Anthracene	ND	0.17	mg/Kg wet							
Benzidine	ND	0.66	mg/Kg wet							V-04, V-05, V-35
Benzo(a)anthracene	ND	0.17	mg/Kg wet							
Benzo(a)pyrene	ND	0.17	mg/Kg wet							
Benzo(b)fluoranthene	ND	0.17	mg/Kg wet							
Benzo(g,h,i)perylene	ND	0.17	mg/Kg wet							
Benzo(k)fluoranthene Benzoic Acid	ND	0.17	mg/Kg wet							1 04
Benzoic Acid Bis(2-chloroethoxy)methane	ND	1.0	mg/Kg wet							L-04
Bis(2-chloroethoxy)methane Bis(2-chloroethyl)ether	ND	0.34 0.34	mg/Kg wet							
Bis(2-chloroisopropyl)ether	ND	0.34	mg/Kg wet mg/Kg wet							
Bis(2-Ethylhexyl)phthalate	ND	0.34	mg/Kg wet							
4-Bromophenylphenylether	ND ND	0.34	mg/Kg wet							
Butylbenzylphthalate	ND	0.34	mg/Kg wet							
Carbazole	ND	0.17	mg/Kg wet							
^-Chloroaniline	ND	0.66	mg/Kg wet							V-34
Chloro-3-methylphenol	ND	0.66	mg/Kg wet							1-34
2-Chloronaphthalene	ND ND	0.34	mg/Kg wet							
2-Chlorophenol	ND	0.34	mg/Kg wet							
4-Chlorophenylphenylether	ND	0.34	mg/Kg wet							
Chrysene	ND	0.17	mg/Kg wet							
Dibenz(a,h)anthracene	ND	0.17	mg/Kg wet							
Dibenzofuran	ND	0.34	mg/Kg wet							
Di-n-butylphthalate	ND	0.34	mg/Kg wet							
1,2-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,3-Dichlorobenzene	ND	0.34	mg/Kg wet							
1,4-Dichlorobenzene	ND	0.34	mg/Kg wet							
3,3-Dichlorobenzidine	ND	0.17	mg/Kg wet							
2,4-Dichlorophenol	ND	0.34	mg/Kg wet							
Diethylphthalate	ND	0.34	mg/Kg wet							
2,4-Dimethylphenol	ND	0.34	mg/Kg wet							
Dimethylphthalate	ND	0.34	mg/Kg wet							
4,6-Dinitro-2-methylphenol	ND	0.34	mg/Kg wet							
2,4-Dinitrophenol	ND	0.66	mg/Kg wet							
2,4-Dinitrotoluene	ND	0.34	mg/Kg wet							
2,6-Dinitrotoluene	ND	0.34	mg/Kg wet							
Di-n-octylphthalate	ND	0.34	mg/Kg wet							
1,2-Diphenylhydrazine/Azobenzene	ND	0.34	mg/Kg wet							
Fluoranthene	ND	0.17	mg/Kg wet							
Fluorene	ND	0.17	mg/Kg wet							
Hexachlorobenzene	ND	0.34	mg/Kg wet							
Hexachlorobutadiene Hexachlorocyclopentadiene	ND	0.34 0.34	mg/Kg wet mg/Kg wet							V-05
1exachiorocyclopentagiene 1exachioroethane	ND	0.34	mg/Kg wet							v-u3
leno(1,2,3-cd)pyrene	ND	0.17	mg/Kg wet							
sophorone	ND	0.17	mg/Kg wet							
-Methylnaphthalene	ND	0.34	mg/Kg wet							
Methylnaphthalene	ND ND	0.17	mg/Kg wet							



Semivolatile Organic Compounds by GC/MS - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B246869 - SW-846 3546										
Blank (B246869-BLK1)				Prepared: 11	/24/19 Anal	yzed: 11/27/1	9			
2-Methylphenoi	ND	0.34	mg/Kg wet							
3/4-Methylphenol	ND	0.34	mg/Kg wet							
Naphthalene	ND	0.17	mg/Kg wet							
2-Nitroaniline	ND	0.34	mg/Kg wet							
3-Nitroaniline	ND	0.34	mg/Kg wet							
4-Nitroaniline	ND	0.34	mg/Kg wet							
Nitrobenzene	ND	0.34	mg/Kg wet							
2-Nitrophenol	ND	0.34	mg/Kg wet							
4-Nitrophenol	ND	0.66	mg/Kg wet							
N-Nitrosodimethylamine	ND	0.34	mg/Kg wet							
N-Nitrosodiphenylamine/Diphenylamine	ND	0.34 0.34	mg/Kg wet mg/Kg wet							
N-Nitrosodi-n-propylamine	ND	0.34	mg/Kg wet							
Pentachloronitrobenzene Pentachlorophenol	ND	0.34	mg/Kg wet							V-05
Pentaentorophenot Phenanthrene	ND	0.17	mg/Kg wet							¥-03
Phenanthrene Phenol	ND	0.17	mg/Kg wet							
Pyrene	ND ND	0.17	mg/Kg wet							
Pyridine	ND ND	0.34	mg/Kg wet							
1,2,4,5-Tetrachlorobenzene	ND ND	0.34	mg/Kg wet							
' 2,4-Trichlorobenzene	ND ND	0.34	mg/Kg wet							
,5-Trichlorophenol	ND	0.34	mg/Kg wet							
2,4,6-Trichlorophenol	ND	0.34	mg/Kg wet							
Surrogate: 2-Fluorophenol	5.51		mg/Kg wet	6.67		82.7	30-130			
Surrogate: 2-Fluorophenoi Surrogate: Phenol-d6	5.60		mg/Kg wet	6.67		84.1	30-130			
Surrogate: Nitrobenzene-d5	2.58		mg/Kg wet	3.33		77.5	30-130			
Surrogate: 2-Fluorobiphenyl	2.76		mg/Kg wet	3.33		82.9	30-130			
Surrogate: 2,4,6-Tribromophenol	5.84		mg/Kg wet	6.67		87.5	30-130			
Surrogate: p-Terphenyl-d14	3.14		mg/Kg wet	3.33		94.3	30-130			
LCS (B246869-BS1)			1	Prepared: 11	/24/19 Anal	yzed: 11/27/1	9			
Acenaphthene	1.09	0.17	mg/Kg wet	1.67		65.7	40-140			
Acenaphthylene	1.17	0.17	mg/Kg wet	1.67		70.0	40-140			
Acetophenone	1.11	0.34	mg/Kg wet	1.67		66.6	40-140			
Aniline	0.809	0.34	mg/Kg wet	1.67		48.5	10-140			
Anthracene	1.25	0.17	mg/Kg wet	1.67		75.0	40-140			
Benzidine	1.85	0.66	mg/Kg wet	1.67		111	40-140			V-04, V-05, V-35
Benzo(a)anthracene	1.20	0.17	mg/Kg wet	1.67		72.2	40-140			
Benzo(a)pyrene	1.17	0.17	mg/Kg wet	1.67		70.2	40-140			
Benzo(b)fluoranthene	1.18	0.17	mg/Kg wet	1.67		71.0	40-140			
Benzo(g,h,i)perylene	1.15	0.17	mg/Kg wet	1.67		68.8	40-140			
Benzo(k)fluoranthene	1.21	0.17	mg/Kg wet	1.67		72.3	40-140			.
Benzoic Acid	0.179	1.0	mg/Kg wet	1.67		10.7 *	30-130			L-04
Bis(2-chloroethoxy)methane	1.11	0.34	mg/Kg wet	1.67		66.6	40-140			
Bis(2-chloroethyl)ether	1.04	0.34	mg/Kg wet	1.67		62.4	40-140			
3is(2-chloroisopropyl)ether	1.13	0.34	mg/Kg wet	1.67		67.6	40-140			
Bis(2-Ethylhexyl)phthalate	1.24	0.34	mg/Kg wet	1.67		74.2	40-140			
4-Bromophenylphenylether	1.17	0.34	mg/Kg wet	1.67		70.3	40-140			
Butylbenzylphthalate	1.23	0.34	mg/Kg wet	1.67		73.6	40-140			
-bazole	1.20	0.17	mg/Kg wet	1.67		72.3 53.6	40-140			V-34
Chloroaniline	0.893	0.66	mg/Kg wet	1.67		53.6 73.7	10-140 30-130			Y=34
4-Chioro-3-methylphenol	1.23	0.66	mg/Kg wet	1.67		73.7 59.2				
-Chloronaphthalene	0.986	0.34	mg/Kg wet	1.67		59.2	40-140			

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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B246869 - SW-846 3546										
LCS (B246869-BS1)			1	Prepared: 11	/24/19 Analy	zed: 11/27/1	9			
2-Chlorophenol	1.11	0.34	mg/Kg wet	1.67		66.4	30-130			*
l-Chlorophenylphenylether	1.16	0.34	mg/Kg wet	1.67		69.4	40-140			
Chrysene	1.19	0.17	mg/Kg wet	1.67		71.2	40-140			
Dibenz(a,h)anthracene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140			
Dibenzofuran	1,20	0.34	mg/Kg wet	1.67		71.8	40-140			
Di-n-butylphthalate	1.24	0.34	mg/Kg wet	1.67		74.2	40-140			
,2-Dichlorobenzene	1.02	0.34	mg/Kg wet	1.67		61.1	40-140			
,3-Dichlorobenzene	0.991	0.34	mg/Kg wet	1.67		59.5	40-140			
,4-Dichlorobenzene	0.995	0.34	mg/Kg wet	1.67		59.7	40-140			
,3-Dichlorobenzidine	0.946	0.17	mg/Kg wet	1.67		56.8	20-140			
,4-Dichlorophenol	1.13	0.34	mg/Kg wet	1.67		67.6	30-130			
picthylphthalate	1.16	0.34	mg/Kg wet	1.67		69.8	40-140			
,4-Dimethylphenol	1.01	0.34	mg/Kg wet	1.67		60.8	30-130			
Pimethylphthalate	1.16	0.34	mg/Kg wet	1.67		69.7	40-140			
,6-Dinitro-2-methylphenol	1.09	0.34	mg/Kg wet	1.67		65.5	30-130			
,4-Dinitrophenol	0.601	0.66	mg/Kg wet	1.67		36.1	30-130			
4-Dinitrotoluene	1.30	0.34	mg/Kg wet	1.67		78.1	40-140			
6-Dinitrotoluene	1.32	0.34	mg/Kg wet	1.67		79.4	40-140			
ri-n-octylphthalate	1.29	0.34	mg/Kg wet	1.67		77.4	40-140			
2-Diphenylhydrazine/Azobenzene	1.29	0.34	mg/Kg wet	1.67		74.1	40-140			
oranthene	1.24	0.17	mg/Kg wet	1.67		75.0	40-140			
luorene	1.25	0.17	mg/Kg wet	1.67		73.0	40-140			
exachlorobenzene	1.20	0.17	mg/Kg wet	1.67		71.8	40-140			
exachlorobutadiene		0.34	mg/Kg wet	1.67		73.1 59.4	40-140			
exachlorocyclopentadiene	0.990	0.34	mg/Kg wet	1.67		41.5	40-140			V-05
exachloroethane	0.692	0.34	mg/Kg wet	1.67		60.7	40-140			v-03
deno(1,2,3-cd)pyrene	1.01	0.17	mg/Kg wet	1.67		74.6	40-140			
ophorone	1.24	0.17	mg/Kg wet			69.8	40-140			
-Methylnaphthalene	1.16	0.34	mg/Kg wet	1.67 1.67		60.5	40-140 40-140			
-Methylnaphthalene -Methylnaphthalene	1.01	0.17	mg/Kg wet				40-140 40-140			
	1.21		mg/Kg wet	1.67		72.5				
Methylphenol	1.08	0.34		1.67		64.9	30-130			
4-Methylphenol	1.15	0.34	mg/Kg wet	1.67		69.1	30-130			
aphthalene	1.09	0.17	mg/Kg wet	1.67		65.3	40-140			
Nitroaniline	1.30	0.34	mg/Kg wet	1.67		77.8	40-140			
Nitroaniline	1.21	0.34	mg/Kg wet	1.67		72.7	30-140			
Nitroaniline	1.33	0.34	mg/Kg wet	1.67		79.6	40-140			
itrobenzene	1,13	0.34	mg/Kg wet	1.67		67.6	40-140			
Nitrophenol	1.26	0.34	mg/Kg wet	1.67		75.9	30-130			
Nitrophenol	1.39	0.66	mg/Kg wet	1.67		83.4	30-130			
-Nitrosodimethylamine	0.944	0.34	mg/Kg wet	1.67		56.7	40-140			
Nitrosodiphenylamine/Diphenylamine	1.27	0.34	mg/Kg wet	1.67		76.2	40-140			
-Nitrosodi-n-propylamine	1.11	0,34	mg/Kg wet	1.67		66.8	40-140			
ntachloronitrobenzene	1.29	0.34	mg/Kg wet	1.67		77.2	40-140			
ntachlorophenol	0.791	0.34	mg/Kg wet	1.67		47.4	30-130			V-05
enanthrene	1.24	0.17	mg/Kg wet	1.67		74.4	40-140			
enol	1.22	0.34	mg/Kg wet	1.67	•	73.1	30-130			
rene	1.21	0.17	mg/Kg wet	1.67		72.7	40-140			
ridine	0.632	0.34	mg/Kg wet	1.67		37.9	30-140			
4,5-Tetrachlorobenzene	1.04	0.34	mg/Kg wet	1.67		62.5	40-140			
4-Trichlorobenzene	1.03	0.34	mg/Kg wet	1.67		61.9	40-140			
4,5-Trichlorophenol	1.26	0.34	mg/Kg wet	1.67		75.6	30-130			
1,6-Trichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130			



QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B246869 - SW-846 3546											
LCS (B246869-BS1)				Prepared: 11	/24/19 Anal	yzed: 11/27/1	9				
Surrogate: 2-Fluorophenol	4.87		mg/Kg wet	6.67		73.1	30-130				_
Surrogate: Phenol-d6	5.00		mg/Kg wet	6.67		75.1	30-130				
Surrogate: Nitrobenzene-d5	2.33		mg/Kg wet	3.33		69.9	30-130				
Surrogate: 2-Fluorobiphenyl	2.47		mg/Kg wet	3,33		74.0	30-130				
Surrogate: 2,4,6-Tribromophenol	6.16		mg/Kg wet	6.67		92.4	30-130				
Surrogate: p-Terphenyl-d14	2.80		mg/Kg wet	3.33		83.9	30-130				
LCS Dup (B246869-BSD1)				Prepared: 11	/24/19 Anal	yzed: 11/27/1	9				
Acenaphthene	1.14	0.17	mg/Kg wet	1.67		68.5	40-140	4.26	30		
Acenaphthylene	1.19	0.17	mg/Kg wet	1.67		71.6	40-140	2.26	30		
Acetophenone	1.22	0.34	mg/Kg wet	1.67		73.4	40-140	9.71	30		
Aniline	0.956	0.34	mg/Kg wet	1.67		57.4	10-140	16.7	50		†‡
Anthracene	1.29	0.17	mg/Kg wet	1.67		77.3	40-140	2.97	30		
Benzidine	1.92	0.66	mg/Kg wet	1.67		115	40-140	4.03	30	V-04, V-05, V-35	
Benzo(a)anthracene	1.24	0.17	mg/Kg wet	1.67		74.3	40-140	2.87	30		
Benzo(a)pyrene	1.21	0.17	mg/Kg wet	1.67		72.6	40-140	3.33	30		
Benzo(b)fluoranthene	1.29	0.17	mg/Kg wet	1.67		77.4	40-140	8.54	30		
Benzo(g,h,i)perylene	1.33	0.17	mg/Kg wet	1.67		79.8	40-140	14.7	30		
Benzo(k)fluoranthene	1.30	0.17	mg/Kg wet	1.67		78.1	40-140	7.69	30		
Benzoic Acid	0.168	1.0	mg/Kg wet	1.67		10.1 *	30-130	6.35	50	L-04	‡
(2-chloroethoxy)methane	1.20	0.34	mg/Kg wet	1.67		72.3	40-140	8.27	30		
s(2-chloroethyl)ether	1.16	0.34	mg/Kg wet	1.67		69.7	40-140	11.2	30		
Bis(2-chloroisopropyl)ether	1.26	0.34	mg/Kg wet	1.67		75.4	40-140	10.9	30		
Bis(2-Ethylhexyl)phthalate	1.25	0.34	mg/Kg wet	1.67		75.2	40-140	1.34	30		
4-Bromophenylphenylether	1.26	0.34	mg/Kg wet	1.67		75.7	40-140	7.37	30		
Butylbenzylphthalate	1.26	0.34	mg/Kg wet	1.67		75.8	40-140	2.86	30		
Carbazole	1.22	0.17	mg/Kg wet	1.67		73.4	40-140	1.59	30	37.24	†
4-Chloroaniline	0.976	0.66	mg/Kg wet	1.67		58.5	10-140	8.81 5.01	30 30	V-34	'
4-Chloro-3-methylphenol	1.17	0.66 0.34	mg/Kg wet mg/Kg wet	1.67		70.1	30-130 40-140	7.79	30 30		
2-Chlorophanal	1.07	0.34	mg/Kg wet	1.67		64.0		10.3			
2-Chlorophenol 4-Chlorophenylphenylether	1.23	0.34	mg/Kg wet	1.67 1.67		73.6 69.5	30-130 40-140	0.0576	30 30		
	1.16	0.34	mg/Kg wet	1.67		72.7	40-140	2.08	30		
Chrysene Dibenz(a,h)anthracene	1.21	0.17	mg/Kg wet	1.67		74.6	40-140	8.55	30		
Dibenzofuran	1.24	0.17	mg/Kg wet	1.67		72.3	40-140	0.777	30		
Di-n-butylphthalate	1.21 1.26	0.34	mg/Kg wet	1.67		75.8	40-140	2.13	30		
1,2-Dichlorobenzene	1.14	0.34	mg/Kg wet	1.67		68.3	40-140	11.1	30		
1,3-Dichlorobenzene	1.10	0.34	mg/Kg wet	1.67		66.0	40-140	10.4	30		
1,4-Dichlorobenzene	1.11	0.34	mg/Kg wet	1.67		66.5	40-140	10.8	30		
3,3-Dichlorobenzidine	1.07	0.17	mg/Kg wet	1.67		64.1	20-140	12.1	50		†‡
2,4-Dichlorophenol	1.17	0.34	mg/Kg wet	1.67		70.3	30-130	3.92	30		
Diethylphthalate	1.15	0.34	mg/Kg wet	1.67		68.8	40-140	1.36	30		
2,4-Dimethylphenol	1.07	0.34	mg/Kg wet	1.67		63.9	30-130	4.94	30		
Dimethylphthalate	1.19	0.34	mg/Kg wet	1.67		71.4	40-140	2.47	30		
4,6-Dinitro-2-methylphenol	1.09	0.34	mg/Kg wet	1.67		65.5	30-130	0.0916	30		
2,4-Dinitrophenol	0.557	0.66	mg/Kg wet	1.67		33.4	30-130	7.71	30		
2,4-Dinitrotoluene	1.25	0.34	mg/Kg wet	1.67		74.8	40-140	4.34	30		
2,6-Dinitrotoluene	1.33	0.34	mg/Kg wet	1.67		79.9	40-140	0.653	30		
-n-octylphthalate	1.54	0.34	mg/Kg wet	1.67		92.4	40-140	17.6	30		
-Diphenylhydrazine/Azobenzene	1.35	0.34	mg/Kg wet	1.67		80.8	40-140	8.63	30		
Fluoranthene	1.27	0.17	mg/Kg wet	1.67		76.4	40-140	1.85	30		
		0.17	mg/Kg wet			70.4	40-140	1.91	30		



Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes	
Batch B246869 - SW-846 3546											
LCS Dup (B246869-BSD1)				Prepared: 11	1/24/19 Analy	zed: 11/27/	19				_
Hexachlorobenzene	1.31	0.34	mg/Kg wet	1.67		78.9	40-140	4.86	30		-
Hexachlorobutadiene	1.13	0.34	mg/Kg wet	1.67		67.6	40-140	12.9	30		
Hexachlorocyclopentadiene	0.678	0.34	mg/Kg wet	1.67		40.7	40-140	1.99	30	V-05	
Hexachloroethane	1,11	0.34	mg/Kg wet	1.67		66.4	40-140	8.96	30		
Indeno(1,2,3-cd)pyrene	1.37	0.17	mg/Kg wet	1.67		82.0	40-140	9.48	30		
Isophorone	1.24	0.34	mg/Kg wet	1.67		74.7	40-140	6.67	30		
1-Methylnaphthalene	1.05	0.17	mg/Kg wet	1.67		63.0	40-140	4.05	30		
2-Methylnaphthalenc	1.27	0.17	mg/Kg wet	1.67		76.0	40-140	4.69	30		
2-Methylphenol	1.17	0.34	mg/Kg wet	1.67		70.1	30-130	7.79	30		
3/4-Methylphenol	1.21	0.34	mg/Kg wet	1.67		72.4	30-130	4.66	30		
Naphthalene	1.19	0.17	mg/Kg wet	1.67		71.4	40-140	8.92	30		
2-Nitroaniline	1.28	0.34	mg/Kg wet	1.67		76.7	40-140	1.50	30		
3-Nitroaniline	1.20	0.34	mg/Kg wet			72.3	30-140	0.607	30		†
4-Nitroaniline	1.23	0.34	mg/Kg wet			74.1	40-140	7.19	30		
Nitrobenzene	1.24	0.34	mg/Kg wet			74.1	40-140	9.29	30		
2-Nitrophenol	1.39	0.34	mg/Kg wet			83.7	30-130	9.75	30		
4-Nitrophenol	1.26	0.66	mg/Kg wet			75.8	30-130	9.53	50		‡
N-Nitrosodimethylamine	1.04	0.34	mg/Kg wet			62.4	40-140	9.71	30		•
N-Nitrosodiphenylamine/Diphenylamine	1.36	0.34	mg/Kg wet			81.4	40-140	6.58	30		
N-Nitrosodi-n-propylamine	1.21	0.34	mg/Kg wet			72.5	40-140	8.15	30		
tachloronitrobenzene	1.30	0.34	mg/Kg wet			78.1	40-140	1.16	30		
ntachlorophenol	0.770	0.34	mg/Kg wet			46.2	30-130	2.65	30	V-05	
Phenanthrene	1.27	0.17	mg/Kg wet			76.2	40-140	2.39	30	V-03	
Phenol	1.32	0.34	mg/Kg wet			79.1	30-130	7.99	30		
Pyrene	1.25	0.17	mg/Kg wet			75.2	40-140	3.41	30		
Pyridine	0.687	0.34	mg/Kg wet			41.2	30-140	8.34	30		†
1,2,4,5-Tetrachlorobenzene	1.20	0.34	mg/Kg wet	1.67		72.2	40-140	14.3	30		,
1,2,4-Trichlorobenzene		0.34	mg/Kg wet	1.67		69.6	40-140	11.8	30		
2,4,5-Trichlorophenol	1.16	0.34	mg/Kg wet	1.67		77.3	30-130	2.12	30		
2,4,6-Trichlorophenol	1.29 1.24	0.34	mg/Kg wet	1.67		74.2	30-130	5.43	30		
Surrogate: 2-Fluorophenol	5.38		mg/Kg wet	6.67		80.7	30-130				-
Surrogate: Phenol-d6	5.28		mg/Kg wet	6.67		79.3	30-130				
Surrogate: Nitrobenzene-d5	2.52		mg/Kg wet	3.33		75.7	30-130				
Surrogate: 2-Fluorobiphenyl	2.68		mg/Kg wet	3.33		80.6	30-130				
Surrogate: 2,4,6-Tribromophenol	5.69		mg/Kg wet	6.67		85.4	30-130				
Surrogate: p-Terphenyl-d14	2.84		mg/Kg wet	3.33		85.1	30-130				
Matrix Spike (B246869-MS1)	Sour	ce: 19K1403	-02	Prepared: 11	/24/19 Analy:	zed: 11/27/	19				
Acenaphthene	1.33	0.21	mg/Kg dry	2.08	ND	64.0	40-140				-
Acenaphthylene	1.40	0.21	mg/Kg dry	2.08	ND	67.4	40-140				
Acetophenone	1.46	0.42	mg/Kg dry	2.08	ND	70.2	40-140				
Aniline	0.971	0.42	mg/Kg dry	2.08	ND	46.8	40-140				
Anthracene	1.43	0.21	mg/Kg dry	2.08	ND	68.8	40-140				
Benzidine	0.137	0.82	mg/Kg dry	2.08	ND	6.58 *	40-140			MS-09, V-04,	
Benzo(a)anthracene	1.41	0.21	mg/Kg dry	2.08	ND	67.7	40-140			V-05, V-35	
Benzo(a)pyrene	1.30	0.21	mg/Kg dry	2.08	ND	62.7	40-140				
Benzo(b)fluoranthene	1.36	0.21	mg/Kg dry	2.08	ND	65.4	40-140				
Benzo(g,h,i)perylene	1.37	0.21	mg/Kg dry	2.08	ND	66.1	40-140				
zo(k)fluoranthene	1.39	0.21	mg/Kg dry	2.08	ND	66.7	40-140				
nzoic Acid	0.348	1.2	mg/Kg dry	2.08	ND	16.8 *	40-140			MS-09	
Bis(2-chloroethoxy)methane	1.39	0.42	mg/Kg dry	2.08	ND	67.1	40-140				
Bis(2-chloroethyl)ether	1.41	0.42	mg/Kg dry	2.08	ND	67.9	40-140				
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Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B246869 - SW-846 3546	***************************************					Magazina and a same and a same and a same a sam				
Matrix Spike (B246869-MS1)	Sour	rce: 19K1403	-02	Prepared: 11	/24/19 Analyz	ed: 11/27/	19			
Bis(2-chloroisopropyl)ether	1.49	0.42	mg/Kg dry	2.08	ND	71.7	40-140			
Bis(2-Ethylhexyl)phthalate	1.62	0.42	mg/Kg dry	2.08	0.357	60.8	40-140			
4-Bromophenylphenylether	1.40	0.42	mg/Kg dry	2.08	ND	67.2	40-140			
Butylbenzylphthalate	1.47	0.42	mg/Kg dry	2.08	0.283	57.4	40-140			
Carbazole	1.38	0.21	mg/Kg dry	2.08	ND	66.6	40-140			
4-Chloroaniline	0.985	0.82	mg/Kg dry	2.08	ND	47.5	40-140			V-34
I-Chloro-3-methylphenol	1.39	0.82	mg/Kg dry	2.08	ND	66.9	30-130			
2-Chloronaphthalene	1.24	0.42	mg/Kg dry	2.08	ND	59.7	40-140			
2-Chlorophenol	1.43	0.42	mg/Kg dry	2.08	ND	68.7	30-130			
I-Chlorophenylphenylether	1.35	0.42	mg/Kg dry	2.08	ND	65.1	40-140			
Chrysene	1.38	0.21	mg/Kg dry	2.08	ND	66.6	40-140			
Dibenz(a,h)anthracene	1.32	0.21	mg/Kg dry	2.08	ND	63.8	40-140			
Dibenzofuran	1.40	0.42	mg/Kg dry	2.08	ND	67.7	40-140			
Di-n-butylphthalate	1.43	0.42	mg/Kg dry	2.08	ND	68.7	40-140			
,2-Dichlorobenzene	1.35	0.42	mg/Kg dry	2.08	ND	65.2	40-140			
,3-Dichlorobenzene	1.31	0.42	mg/Kg dry	2.08	ND	63.2	40-140			
,4-Dichlorobenzene	1.33	0.42	mg/Kg dry	2.08	ND	64.2	40-140			
3,3-Dichlorobenzidine	0.956	0.21	mg/Kg dry	2.08	ND	46.0	40-140 ´			
,4-Dichlorophenol	1.25	0.42	mg/Kg dry	2.08	ND	60.0	30-130			
Diethylphthalate	1.32	0.42	mg/Kg dry	2.08	ND	63.6	40-140			
-Dimethylphenol	1.10	0.42	mg/Kg dry	2.08	ND	52.9	30-130			
methylphthalate	1.38	0.42	mg/Kg dry	2.08	ND	66.4	40-140			
,6-Dinitro-2-methylphenol	1.44	0.42	mg/Kg dry	2.08	ND	69.4	30-130			
,4-Dinitrophenol	1.12	0.82	mg/Kg dry	2.08	ND	53.8	30-130			
,4-Dinitrotoluene	1.45	0.42	mg/Kg dry	2.08	ND	69.8	40-140			
,6-Dinitrotoluene	1.56	0.42	mg/Kg dry	2.08	ND	75.2	40-140			
Di-n-octylphthalate	1.63	0.42	mg/Kg dry	2.08	ND	78.3	40-140			
,2-Diphenylhydrazine/Azobenzene	1.49	0.42	mg/Kg dry	2.08	ND	71.8	40-140			
luoranthene	1.50	0.21	mg/Kg dry	2.08	0.154	64.6	40-140			
luorene	1.38	0.21	mg/Kg dry	2.08	ND	66.2	40-140			
Mexachlorobenzene	1.46	0.42	mg/Kg dry	2.08	ND	70.1	40-140			
dexachlorobutadiene	1.29	0.42	mg/Kg dry	2.08	ND	62.2	40-140			
lexachlorocyclopentadiene	0.821	0.42	mg/Kg dry	2.08	ND	39.6	30-130			V-05
lexachloroethane	1.32	0.42	mg/Kg dry	2.08	ND	63.4	40-140			
ndeno(1,2,3-cd)pyrene	1.45	0.21	mg/Kg dry	2.08	ND	69.6	40-140			
sophorone	1.46	0.42	mg/Kg dry	2.08	ND	70.2	40-140			
-Methylnaphthalene	1.24	0.21	mg/Kg dry	2.08	ND	59.9	40-140			
-Methylnaphthalene	1.51	0.21	mg/Kg dry	2.08	ND	72.5	40-140			
-Methylphenol	1.31	0.42	mg/Kg dry	2.08	ND	63.0	30-130			
/4-Methylphenol	1.39	0.42	mg/Kg dry	2.08	ND	67.0	30-130			
Japhthalene	1.41	0.21	mg/Kg dry	2.08	ND	68.0	40-140			
-Nitroaniline	1.49	0.42	mg/Kg dry	2.08	ND	71.8	40-140			
-Nitroaniline	1.29	0.42	mg/Kg dry	2.08	ND	62.3	40-140			
-Nitroaniline	1.33	0.42	mg/Kg dry	2.08	ND	63.8	40-140			
litrobenzene	1.46	0.42	mg/Kg dry	2.08	ND	70.3	40-140			
-Nitrophenol	1.46	0.42	mg/Kg dry	2.08	ND	77.3	30-130			
-Nitrophenol	1.43	0.42	mg/Kg dry	2.08	ND	69.1	30-130			
I-Nitrosodimethylamine	1.43	0.42	mg/Kg dry	2.08	ND	59.7	40-140			
Vitrosodiphenylamine/Diphenylamine		0.42	mg/Kg dry	2.08	ND ND	71.2	40-140			
itrosodi-n-propylamine	1.48	0.42	mg/Kg dry mg/Kg dry	2.08	ND ND	70.0	40-140 40-140			
entachloronitrobenzene	1.45	0.42	mg/Kg dry mg/Kg dry	2.08	ND ND	70.0 71.5	40-140 40-140			
	1.49	U.42		2.00	מא	, 1.0	-10-14U			



Semivolatile Organic Compounds by GC/MS - Quality Control

	. .	Reporting	71.4	Spike	Source	0/BCC	%REC	ממק	RPD Limit	Mata
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B246869 - SW-846 3546										
Matrix Spike (B246869-MS1)	Sour	ce: 19K1403			/24/19 Analyz					
Phenanthrene	1.46	0.21	mg/Kg dry	2.08	ND	70.4	40-140			
Phenol	1.53	0.42	mg/Kg dry	2.08	ND	73.6	30-130			
Pyrene	1.53	0.21	mg/Kg dry	2.08	0.176	65.1	40-140			
Pyridine	0.782	0.42	mg/Kg dry	2.08	ND	37.7 *	40-140			MS-09
1,2,4,5-Tetrachlorobenzene	1.37	0.42	mg/Kg dry	2.08	ND	65.8	40-140			
1,2,4-Trichlorobenzene	1.34	0.42	mg/Kg dry	2.08	ND	64.6	40-140			
2,4,5-Trichlorophenol	1.43	0.42	mg/Kg dry	2.08	ND	68.9	30-130			
2,4,6-Trichlorophenol	1.38	0.42	mg/Kg dry	2.08	ND	66.3	30-130			
Surrogate: 2-Fluorophenol	6.11		mg/Kg dry	8.30		73.6	30-130			
Surrogate: Phenol-d6	6.26		mg/Kg dry	8.30		75.3	30-130			
Surrogate: Nitrobenzene-d5	2.97		mg/Kg dry	4.15		71.4	30-130			
Surrogate: 2-Fluorobiphenyl	3.09		mg/Kg dry	4.15		74.4	30-130			
Surrogate: 2,4,6-Tribromophenol	6.31		mg/Kg dry	8.30		76.0	30-130			
Surrogate: p-Terphenyl-d14	3.30		mg/Kg dry	4.15		79.4	30-130			
Matrix Spike Dup (B246869-MSD1)	Sour	ce: 19K1403	-02	Prepared: 11	/24/19 Analyz	ed: 11/27/1	9			
Acenaphthene	1.36	0.21	mg/Kg dry	2.08	ND	65.6	40-140	2.41	30	
Acenaphthylene	1.44	0.21	mg/Kg dry	2.08	ND	69.3	40-140	2.72	30	
Acetophenone	1.46	0.42	mg/Kg dry	2.08	ND	70.3	40-140	0.114	30	
Aniline	0.849	0.42	mg/Kg dry	2.08	ND	40.9	40-140	13.4	30	
hracene	1.48	0.21	mg/Kg dry	2.08	ND	71.2	40-140	3.40	30	
enzidine	0.0855	0.82	mg/Kg dry	2.08	ND	4.12 *	40-140		30	V-35, MS-09, V-04, V-05
Benzo(a)anthracene	1.47	0.21	mg/Kg dry	2.08	ND	70.6	40-140	4.28	30	
Benzo(a)pyrene	1.40	0.21	mg/Kg dry	2.08	ND	67.2	40-140	6.89	30	
Benzo(b)fluoranthene	1.40	0.21	mg/Kg dry	2.08	ND	67.3	40-140	2.92	30	
Benzo(g,h,i)perylene	1.55	0.21	mg/Kg dry	2.08	ND	74.8	40-140	12.3	30	
Benzo(k)fluoranthene	1.39	0.21	mg/Kg dry	2.08	ND	67.1	40-140	0.538	30	
Benzoic Acid	0.414	1.2	mg/Kg dry	2.08	ND	19.9 *	40-140		30	MS-09
Bis(2-chloroethoxy)methane	1.44	0.42	mg/Kg dry	2.08	ND	69.1	40-140	2.97	30	
Bis(2-chloroethyl)ether	1.41	0.42	mg/Kg dry	2.08	ND	67.8	40-140	0.265	30	
Bis(2-chloroisopropyl)ether	1.51	0.42	mg/Kg dry	2.08	ND	72.6	40-140	1.22	30	
Bis(2-Ethylhexyl)phthalate	1.74	0.42	mg/Kg dry	2.08	0.357	66.6	40-140	7.19	30	
4-Bromophenylphenylether	1.40	0.42	mg/Kg dry	2.08	ND	67.7	40-140	0.623	30	
Butylbenzylphthalate	1,54	0.42	mg/Kg dry	2.08	0.283	60.7	40-140	4.49	30	
Carbazole	1.41	0.21	mg/Kg dry	2.08	ND	68.1	40-140	2.17	30	
4-Chloroaniline	0.922	0.82	mg/Kg dry	2.08	ND	44.4	40-140	6.62	30	V-34
4-Chloro-3-methylphenol	1.41	0.82	mg/Kg dry	2.08	ND	67.7	30-130	1.28	30	
2-Chloronaphthalene	1.26	0.42	mg/Kg dry	2.08	ND	60.8	40-140	1.86	30	
2-Chlorophenol	1.43	0.42	mg/Kg dry	2.08	ND	69.0	30-130	0.494	30	
4-Chlorophenylphenylether	1.37	0.42	mg/Kg dry	2.08	ND	66.0	40-140	1.37	30	
Chrysene	1.44	0.21	mg/Kg dry	2.08	ND	69.5	40-140	4.17	30	
Dibenz(a,h)anthracene	1.42	0.21	mg/Kg dry	2.08	ND	68.4	40-140	7.05	30	
Dibenzofuran	1.44	0.42	mg/Kg dry	2.08	ND	69.2	40-140	2.28	30	
Di-n-butylphthalate	1.46	0.42	mg/Kg dry	2.08	ND	70.3	40-140	2.22	30	
1,2-Dichlorobenzene	1.36	0.42	mg/Kg dry	2.08	ND	65.6	40-140	0.520	30	
1,3-Dichlorobenzene	1.31	0.42	mg/Kg dry	2.08	ND	63.3	40-140	0.0633	30	
I,4-Dichlorobenzene	1.33	0.42	mg/Kg dry	2.08	ND	63.9	40-140	0.437	30	
3 3-Dichlorobenzidine	0.882	0.21	mg/Kg dry	2.08	ND	42.5	40-140	8.09	30	
Dichlorophenol	1.28	0.42	mg/Kg dry	2.08	ND	61.5	30-130	2.40	30	
piethylphthalate	1.36	0.42	mg/Kg dry	2.08	ND	65.6	40-140	3.13	30	
2,4-Dimethylphenol	1.12	0.42	mg/Kg dry	2.08	ND	54.1	30-130	2.24	30	
-1	1.12	0.42	mg/Kg dry	2.08	ND	67.2	40-140	1.23	30	

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QUALITY CONTROL

Semivolatile Organic Compounds by GC/MS - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B246869 - SW-846 3546										
Matrix Spike Dup (B246869-MSD1)	Sou	rce: 19K1403	-02	Prepared: 11	1/24/19 Analy:	zed: 11/27/1	9			
4,6-Dinitro-2-methylphenol	1.45	0.42	mg/Kg dry	2.08	ND	69.7	30-130	0.402	30	
2,4-Dinitrophenol	1.12	0.82	mg/Kg dry	2.08	ND	53.9	30-130	0.334	30	
2,4-Dinitrotoluene	1.50	0.42	mg/Kg dry	2.08	ND	72.4	40-140	3.71	30	
2,6-Dinitrotoluene	1.62	0.42	mg/Kg dry	2.08	ND	77.8	40-140	3.45	30	
Di-n-octylphthalate	1.63	0.42	mg/Kg dry	2.08	ND	78.5	40-140	0.255	30	
,2-Diphenylhydrazine/Azobenzene	1.50	0.42	mg/Kg dry	2.08	ND	72.1	40-140	0.473	30	
Fluoranthene	1.57	0.21	mg/Kg dry	2.08	0.154	68.0	40-140	4.64	30	
Fluorene	1.42	0.21	mg/Kg dry	2.08	ND	68.2	40-140	2.89	30	
Hexachlorobenzene	1.46	0.42	mg/Kg dry	2.08	ND	70.4	40-140	0.370	30	
Hexachlorobutadiene	1,31	0.42	mg/Kg dry	2.08	ND	62.9	40-140	1.12	30	
Hexachlorocyclopentadiene	0.820	0.42	mg/Kg dry	2.08	ND	39.5	30-130	0.202	30	V-05
Hexachloroethane	1.33	0.42	mg/Kg dry	2.08	ND	63.9	40-140	0.880	30	
ndeno(1,2,3-cd)pyrene	1.63	0.21	mg/Kg dry	2.08	ND	78.3	40-140	11.7	30	
sophorone	1.50	0.42	mg/Kg dry	2.08	ND	72.3	40-140	2.92	30	
-Methylnaphthalene	1.28	0.21	mg/Kg dry	2.08	ND	61.6	40-140	2.76	30	
2-Methylnaphthalene	1.55	0.21	mg/Kg dry	2.08	ND	74.7	40-140	2.88	30	
2-Methylphenol	1.33	0.42	mg/Kg dry	2.08	ND	64.1	30-130	1.67	30	
3/4-Methylphenol	1.40	0.42	mg/Kg dry	2.08	ND	67.5	30-130	0.654	30	
Naphthalene	1.45	0.21	mg/Kg dry	2.08	ND	69.8	40-140	2.58	30	
?-Nitroaniline	1.53	0.42	mg/Kg dry	2.08	ND	73.6	40-140	2.53	30	
itroaniline	1.30	0.42	mg/Kg dry	2.08	ND	62.8	40-140	0.831	30	
-Nitroaniline	1.36	0.42	mg/Kg dry	2.08	ND	65.6	40-140	2.75	30	
Vitrobenzene	1.49	0.42	mg/Kg dry	2.08	ND	71.6	40-140	1.89	30	
2-Nitrophenol	1.65	0.42	mg/Kg dry	2.08	ND	79.5	30-130	2.78	30	
-Nitrophenol	1.50	0.82	mg/Kg dry	2.08	ND	72.3	30-130	4.53	30	
N-Nitrosodimethylamine	1.27	0.42	mg/Kg dry	2.08	ND	61.0	40-140	2.16	30	
N-Nitrosodiphenylamine/Diphenylamine	1.51	0.42	mg/Kg dry	2.08	ND	72.7	40-140	2.14	30	
N-Nitrosodi-n-propylamine	1.46	0.42	mg/Kg dry	2.08	ND	70.3	40-140	0.542	30	
Pentachloronitrobenzene	1.47	0.42	mg/Kg dry	2.08	ND	71.0	40-140	0.730	30	
Pentachlorophenol	0.876	0.42	mg/Kg dry	2.08	ND	42.2	30-130	0.990	30	V-05
Phenanthrene	1.52	0.21	mg/Kg dry	2.08	ND	73.1	40-140	3.65	30	
Phenol	1.53	0.42	mg/Kg dry	2.08	ND	73.5	30-130	0.163	30	
Pyrene	1.65	0.21	mg/Kg dry	2.08	0.176	70.9	40-140	7.64	30	
yridine	0.778	0.42	mg/Kg dry	2.08	ND	37.5 *	40-140	0.532	30	MS-09
,2,4,5-Tetrachlorobenzene	1.38	0.42	mg/Kg dry	2.08	ND	66.5	40-140	1.15	30	
,2,4-Trichlorobenzene	1.37	0.42	mg/Kg dry	2.08	ND	65.9	40-140	1.93	30	
,4,5-Trichlorophenol	1.45	0.42	mg/Kg dry	2.08	ND	69.7	30-130	1.10	30	
,4,6-Trichlorophenol	1.39	0.42	mg/Kg dry	2.08	ND	67.0	30-130	0.930	30	
urrogate: 2-Fluorophenol	6.09		mg/Kg dry	8.30		73.3	30-130			
surrogate: Phenol-d6	6.22		mg/Kg dry	8.30		74.9	30-130			
surrogate: Prienoi-do	3.06		mg/Kg dry	4.15		73.8	30-130			
surrogate: 2-Fluorobiphenyl	3.13		mg/Kg dry	4.15		75.5	30-130			
surrogate: 2,4,6-Tribromophenol	6.47		mg/Kg dry	8.30		77.9	30-130			
surrogate: p-Terphenyl-d14	3.49		mg/Kg dry	4.15		84.0	30-130			



QUALITY CONTROL

Metals Analyses (Total) - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B247073 - SW-846 7471										
Blank (B247073-BLK1)				Prepared & A	Analyzed: 11	/26/19				
Mercury	ND	0.025	mg/Kg wet		-					
LCS (B247073-BS1)				Prepared & A	Analyzed: 11	/26/19				
Mercury	2.36	0.38	mg/Kg wet	2.93		80.4	71.3-128.7			
LCS Dup (B247073-BSD1)				Prepared & A	Analyzed: 11/	/26/19				
Mercury	2.70	0.38	mg/Kg wet	2.93		92.0	71.3-128.7	13.5	20	
Batch B247130 - SW-846 3050B										
Blank (B247130-BLK1)				Prepared: 11.	/26/19 Analy	zed: 11/27/	19			
Antimony	ND	1.7	mg/Kg wet							
Arsenic	ND	1.7	mg/Kg wet							
Barium	ND	1.7	mg/Kg wet							
Beryllium	ND	0.17	mg/Kg wet							
Cadmium	ND	0.17	mg/Kg wet							
Chromium	ND	0.33	mg/Kg wet							
ead	ND	0.50	mg/Kg wet							
lickel	ND	0.33	mg/Kg wet							
elenium	ND	3.3	mg/Kg wet							
ilver	ND	0.33	mg/Kg wet							
'tallium	ND	1.7	mg/Kg wet							
ıadium	ND	0.67	mg/Kg wet							
inc	ND	0.67	mg/Kg wet							
.CS (B247130-BS1)				Prepared: 11/	/26/19 Analy	zed: 11/27/	19			
antimony	106	5.0	mg/Kg wet	147		72.0	6.3-208			
rsenic	129	5.0	mg/Kg wet	143		89.9	82.4-116.8			
arium 	420	5.0	mg/Kg wet	415		101	81.7-118.5			
eryllium	181	0.50	mg/Kg wet	179		101	82.6-116.8			
admium	56.2	0.50	mg/Kg wet	56.2		100	82.2-117.5			
hromium	94.8	0.99	mg/Kg wet	101		93.8	82-118.2			
ead	117	1.5	mg/Kg wet	125		93.9	82.3-117.1			
lickel	111	0.99	mg/Kg wet	108		103	82.6-117.4			
elenium	69.4	9.9	mg/Kg wet	77.9		89.1	79.3-120.7			
ilver hallium	36.6	0.99	mg/Kg wet	34.3		107	79.3-120.7			
	118	5.0	mg/Kg wet	113		105	80.5-119.1			
anadium inc	70.4 228	2.0 2.0	mg/Kg wet mg/Kg wet	83.7 240		84.2 95.1	78.6-120.8 80.3-119.4			
CS Dup (B247130-BSD1)				Prepared: 11/	/26/19 Analv					
ntimony	96.5	4.7	mg/Kg wet	147		65.6	6.3-208	9.27	30	
rsenic	96.3 117	4.7	mg/Kg wet	143			82.4-116.8	9.50	30	L-07
arium	384	4.7	mg/Kg wet	415		92.5	81.7-118.5	8.86	20	_ • • •
eryllium	167	0.47	mg/Kg wet	179		93.4	82.6-116.8	7.87	30	
admium	50.9	0.47	mg/Kg wet	56.2		90.5	82.2-117.5	9.98	20	
hromium	86.2	0.94	mg/Kg wet	101		85.4	82-118.2	9.41	30	
ead	106	1.4	mg/Kg wet	125		85.0	82.3-117.1	9.99	30	
ickel	99.9	0.94	mg/Kg wet	108		92.5	82.6-117.4	10.5	30	
elenium	64.1	9.4	mg/Kg wet	77.9		82.3	79.3-120.7	7.93	30	
¹ver	33.2	0.94	mg/Kg wet	34.3		96.8	79.3-120.7	9.81	30	
llium	111	4.7	mg/Kg wet	113		97.9	80.5-119.1	6.69	30	
anadium	64.0	1.9	mg/Kg wet	83.7		76.5 *	78.6-120.8	9.56	30	L-07
inc	206	1.9	mg/Kg wet	240		85.6	80.3-119.4	10.4	30	

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QUALITY CONTROL

Metals Analyses (Total) - Quality Control

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch B247130 - SW-846 3050B										
MRL Check (B247130-MRL1)				Prepared: 11	/26/19 Anal	yzed: 11/27/1	9			
Lead	0.471	0.50	mg/Kg wet	0.500		94.2	80-120			



Conventional Chemistry Parameters by EPA/APHA/SW-846 Methods (Total) - Quality Control

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B246947 - % Solids										
Duplicate (B246947-DUP1)	Sou	rce: 19K1403-0	1	Prepared: 11	/25/19 Anal	yzed: 11/26/1	9			
% Solids	59.0		% Wt		66.3			11.6	20	
Duplicate (B246947-DUP2)	Sou	rce: 19K1403-0	2	Prepared: 11	/25/19 Anal	yzed: 11/26/1	9			
% Solids	79.5		% Wt		80.3			1.03	20	
Duplicate (B246947-DUP3)	Sou	rce: 19K1403-03	3	Prepared: 11	/25/19 Anal	yzed: 11/26/1	9			
% Solids	53.9		% Wt		55.9	ı		3.51	20	
Duplicate (B246947-DUP4)	Sou	rce: 19K1403-04	4	Prepared: 11	/25/19 Analy	zed: 11/26/1	9			
% Solids	52.1		% Wt		53.1			1.88	20	
Duplicate (B246947-DUP5)	Sou	rce: 19K1403-0	5	Prepared: 11	/25/19 Anal	zed: 11/26/1	9			
% Solids	44.7		% Wt		45.7			2.12	20	
Duplicate (B246947-DUP6)	Sou	rce: 19K1403-0	б	Prepared: 11	/25/19 Anal	zed: 11/26/1	9			
% Solids	40.3		% Wt		42.7			5.74	20	



V-34

V-35

compound. Reported result is estimated.

compound. Reported result is estimated.

39 Spruce Street * East Longmeadow, MA 01028 * FAX 413/525-6405 * TEL. 413/525-2332 FLAG/QUALIFIER SUMMARY

*	QC result is outside of established limits.
†	Wide recovery limits established for difficult compound.
‡	Wide RPD limits established for difficult compound.
#	Data exceeded client recommended or regulatory level
ND	Not Detected
RL	Reporting Limit is at the level of quantitation (LOQ)
DL	Detection Limit is the lower limit of detection determined by the MDL study
MCL	Maximum Contaminant Level
	Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.
	No results have been blank subtracted unless specified in the case narrative section.
L-04	Laboratory fortified blank/laboratory control sample recovery and duplicate recovery are outside of control limits. Reported value for this compound is likely to be biased on the low side.
L-07	Either laboratory fortified blank/laboratory control sample or duplicate recovery is outside of control limits, but the other is within limits. RPD between the two LFB/LCS results is within method specified criteria.
MS-09	Matrix spike recovery and/or matrix spike duplicate recovery outside of control limits. Possibility of sample matrix effects that lead to a low bias for reported result or non-homogeneous sample aliquots cannot be eliminated.
V-04	Initial calibration did not meet method specifications. Compound was calibrated using a response factor where %RSD is outside of method specified criteria. Reported result is estimated.
V-05	Continuing calibration verification (CCV) did not meet method specifications and was biased on the low side for this compound.

Initial calibration verification (ICV) did not meet method specifications and was biased on the low side for this

Initial calibration verification (ICV) did not meet method specifications and was biased on the high side for this



CERTIFICATIONS

ertified Analyses included in this Report

Analyta	Certifications
Analyte	Co dileativity
SW-846 6010D in Soil	
Antimony	CT,NH,NY,ME,VA,NC
Arsenic	CT,NH,NY,ME,VA,NC
Barium	CT,NH,NY,ME,VA,NC
Beryllium	CT,NH,NY,ME,VA,NC
Cadmium	CT,NH,NY,ME,VA,NC
Chromium	CT,NH,NY,ME,VA,NC
Lead	CT,NH,NY,AIHA,ME,VA,NC
Nickel	CT,NH,NY,ME,VA,NC
Selenium	CT,NH,NY,ME,VA,NC
Silver	CT,NH,NY,ME,VA,NC
Thallium	CT,NH,NY,ME,VA,NC
Vanadium	CT,NH,NY,ME,VA,NC
Zinc	CT,NH,NY,ME,VA,NC
SW-846 7471B in Soil	
Mercury	CT,NH,NY,NC,ME,VA
SW-846 8270D-E in Soil	
Acenaphthene	CT,NY,NH,ME,NC,VA
Acenaphthylene	CT,NY,NH,ME,NC,VA
Acetophenone	NY,NH,ME,NC,VA
Aniline	NY,NH,ME,NC,VA
Anthracene	CT,NY,NH,ME,NC,VA
Benzidine	CT,NY,NH,ME,NC,VA
Benzo(a)anthracene	CT,NY,NH,ME,NC,VA
Benzo(a)pyrene	CT,NY,NH,ME,NC,VA
Benzo(b)fluoranthene	CT,NY,NH,ME,NC,VA
Benzo(g,h,i)perylene	CT,NY,NH,ME,NC,VA
Benzo(k)fluoranthene	CT,NY,NH,ME,NC,VA
Benzoic Acid	NY,NH,ME,NC,VA
Bis(2-chloroethoxy)methane	CT,NY,NH,ME,NC,VA
Bis(2-chloroethyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-chloroisopropyl)ether	CT,NY,NH,ME,NC,VA
Bis(2-Ethylhexyl)phthalate	CT,NY,NH,ME,NC,VA
4-Bromophenylphenylether	CT,NY,NH,ME,NC,VA
Butylbenzylphthalate	CT,NY,NH,ME,NC,VA
Carbazole	NC
4-Chloroaniline	CT,NY,NH,ME,NC,VA
4-Chloro-3-methylphenol	CT,NY,NH,ME,NC,VA
2-Chloronaphthalene	CT,NY,NH,NC,VA
2-Chlorophenol	CT,NY,NH,ME,NC,VA
4-Chlorophenylphenylether	CT,NY,NH,ME,NC,VA
Chrysene	CT,NY,NH,ME,NC,VA
Dibenz(a,h)anthracene	CT,NY,NH,ME,NC,VA
Dibenzofuran	CT,NY,NH,ME,NC,VA
Di-n-butylphthalate	CT,NY,NH,ME,NC,VA
1,2-Dichlorobenzene	NY,NH,ME,NC,VA
1,3-Dichlorobenzene	NY,NH,ME,NC,VA



CERTIFICATIONS

ertified Analyses included in this Report

Analyte	Certifications
SW-846 8270D-E in Soil	
1,4-Dichlorobenzene	NY,NH,ME,NC,VA
3,3-Dichlorobenzidine	CT,NY,NH,ME,NC,VA
2,4-Dichlorophenol	CT,NY,NH,ME,NC,VA
Diethylphthalate	CT,NY,NH,,ME,NC,VA
2,4-Dimethylphenol	CT,NY,NH,ME,NC,VA
Dimethylphthalate	CT,NY,NH,ME,NC,VA
4,6-Dinitro-2-methylphenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrophenol	CT,NY,NH,ME,NC,VA
2,4-Dinitrotoluene	CT,NY,NH,ME,NC,VA
2,6-Dinitrotoluene	CT,NY,NH,ME,NC,VA
Di-n-octylphthalate	CT,NY,NH,ME,NC,VA
1,2-Diphenylhydrazine/Azobenzene	NY,NH,ME,NC,VA
Fluoranthene	CT,NY,NH,ME,NC,VA
Fluorene	NY,NH,ME,NC,VA
Hexachlorobenzene	CT,NY,NH,ME,NC,VA
Hexachlorobutadiene	CT,NY,NH,ME,NC,VA
Hexachlorocyclopentadiene	CT,NY,NH,ME,NC,VA
Hexachloroethane	CT,NY,NH,ME,NC,VA
Indeno(1,2,3-cd)pyrene	CT,NY,NH,ME,NC,VA
Isophorone	CT,NY,NH,ME,NC,VA
'-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NH,ME,NC,VA
2-Methylphenol	CT,NY,NH,ME,NC,VA
3/4-Methylphenol	CT,NY,NH,ME,NC,VA
Naphthalene	CT,NY,NH,ME,NC,VA
2-Nitroaniline	CT,NY,NH,ME,NC,VA
3-Nitroaniline	CT,NY,NH,ME,NC,VA
4-Nitroaniline	CT,NY,NH,ME,NC,VA
Nitrobenzene	CT,NY,NH,ME,NC,VA
2-Nitrophenol	CT,NY,NH,ME,NC,VA
4-Nitrophenol	CT,NY,NH,ME,NC,VA
N-Nitrosodimethylamine	CT,NY,NH,ME,NC,VA
N-Nitrosodi-n-propylamine	CT,NY,NH,ME,NC,VA
Pentachloronitrobenzene Pentachlorophenol	NY,NC CT,NY,NH,ME,NC,VA
Phenanthrene	
Phenol	CT.NY,NH,ME,NC,VA
Pyrene	CT,NY,NH,ME,NC,VA CT,NY,NH,ME,NC,VA
Pyridine	CT,NY,NH,ME,NC,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NH,ME,NC,VA
2,4,5-Trichlorophenol	CT,NY,NH,ME,NC,VA
2,4,6-Trichlorophenol	CT,NY,NH,ME,NC,VA
2-Fluorophenol	NC
-846 8270D-E in Water	
Acenaphthene	CT,NY,NC,ME,NH,VA



CERTIFICATIONS

ertified Analyses included in this Report

Analyte Certifications SW-846 8270D-E in Water	
SH-040 02/UD-E III THEEF	
Acenaphthylene CT,NY,NC,ME,NH,VA	
Acetophenone NY,NC	
Aniline CT,NY,NC,ME,VA	
Anthracene CT,NY,NC,ME,NH,VA	
Benzidine CT,NY,NC,ME,NH,VA	
Benzo(a)anthracene CT,NY,NC,ME,NH,VA	
Benzo(a)pyrene CT,NY,NC,ME,NH,VA	
Benzo(b)fluoranthene CT,NY,NC,ME,NH,VA	
Benzo(g,h,i)perylene CT,NY,NC,ME,NH,VA	
Benzo(k)fluoranthene CT,NY,NC,ME,NH,VA	
Benzoic Acid NY,NC,ME,NH,VA	
Bis(2-chloroethoxy)methane CT,NY,NC,ME,NH,VA	
Bis(2-chloroethyl)ether CT,NY,NC,ME,NH,VA	
Bis(2-chloroisopropyl)ether CT,NY,NC,ME,NH,VA	
Bis(2-Ethylhexyl)phthalate CT,NY,NC,ME,NH,VA	
4-Bromophenylphenylether CT,NY,NC,ME,NH,VA	
Butylbenzylphthalate CT,NY,NC,ME,NH,VA	
Carbazole NC	
4-Chloroaniline CT,NY,NC,ME,NH,VA	
4-Chloro-3-methylphenol CT,NY,NC,ME,NH,VA	
2-Chloronaphthalene CT,NY,NC,ME,NH,VA	
2-Chlorophenol CT,NY,NC,ME,NH,VA	
4-Chlorophenylphenylether CT,NY,NC,ME,NH,VA	
Chrysene CT,NY,NC,ME,NH,VA	
Dibenz(a,h)anthracene CT,NY,NC,ME,NH,VA	
Dibenzofuran CT,NY,NC,ME,NH,VA	
Di-n-butylphthalate CT,NY,NC,ME,NH,VA	
1,2-Dichlorobenzene CT,NY,NC,ME,NH,VA	
1,3-Dichlorobenzene CT,NY,NC,ME,NH,VA	
1,4-Dichlorobenzene CT,NY,NC,ME,NH,VA	
3,3-Dichlorobenzidine CT,NY,NC,ME,NH,VA	
2,4-Dichlorophenol CT,NY,NC,ME,NH,VA	
Diethylphthalate CT,NY,NC,ME,NH,VA	
2,4-Dimethylphenol CT,NY,NC,ME,NH,VA	
Dimethylphthalate CT,NY,NC,ME,NH,VA	
4,6-Dinitro-2-methylphenol CT,NY,NC,ME,NH,VA	
2,4-Dinitrophenol CT,NY,NC,ME,NH,VA	
2,4-Dinitrotoluene CT,NY,NC,ME,NH,VA	
2,6-Dinitrotoluene CT,NY,NC,ME,NH,VA	
Di-n-octylphthalate CT,NY,NC,ME,NH,VA	
1,2-Diphenylhydrazine/Azobenzene NY,NC	
Fluoranthene CT,NY,NC,ME,NH,VA	
Fluorene NY,NC,ME,NH,VA	
Hexachlorobenzene CT,NY,NC,ME,NH,VA	
Hexachlorobutadiene CT,NY,NC,ME,NH,VA	
Hexachlorocyclopentadiene CT,NY,NC,ME,NH,VA	
Hexachloroethane CT,NY,NC,ME,NH,VA	



CERTIFICATIONS

rtified Analyses included in this Report

1	
Analyte	Certifications
SW-846 8270D-E in Water	
Indeno(1,2,3-cd)pyrene	CT,NY,NC,ME,NH,VA
Isophorone	CT,NY,NC,ME,NH,VA
1-Methylnaphthalene	NC
2-Methylnaphthalene	CT,NY,NC,ME,NH,VA
2-Methylphenol	CT,NY,NC,NH,VA
3/4-Methylphenol	CT,NY,NC,NH,VA
Naphthalene	CT,NY,NC,ME,NH,VA
2-Nitroaniline	CT,NY,NC,ME,NH,VA
3-Nitroaniline	CT,NY,NC,ME,NH,VA
4-Nitroaniline	CT,NY,NC,ME,NH,VA
Nitrobenzene	CT,NY,NC,ME,NH,VA
2-Nitrophenol	CT,NY,NC,ME,NH,VA
4-Nitrophenol	CT,NY,NC,ME,NH,VA
N-Nitrosodimethylamine	CT,NY,NC,ME,NH,VA
N-Nitrosodi-n-propylamine	CT,NY,NC,ME,NH,VA
Pentachloronitrobenzene	NC
Pentachlorophenol	CT,NY,NC,ME,NH,VA
Phenanthrene	CT,NY,NC,ME,NH,VA
Phenol	CT,NY,NC,ME,NH,VA
Pyrene	CT,NY,NC,ME,NH,VA
yridine	CT,NY,NC,ME,NH,VA
1,2,4,5-Tetrachlorobenzene	NY,NC
1,2,4-Trichlorobenzene	CT,NY,NC,ME,NH,VA
2,4,5-Trichlorophenol	CT,NY,NC,ME,NH,VA
2,4,6-Trichlorophenol	CT,NY,NC,ME,NH,VA
2-Fluorophenol	NC

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC - ISO17025:2017	100033	03/1/2022
MA	Massachusetts DEP	M-MA100	06/30/2020
CT	Connecticut Department of Publilc Health	PH-0567	09/30/2021
NY	New York State Department of Health	10899 NELAP	04/1/2020
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2020
RI	Rhode Island Department of Health	LAO00112	12/30/2019
NC	North Carolina Div. of Water Quality	652	12/31/2019
NJ	New Jersey DEP	MA007 NELAP	06/30/2020
FL	Florida Department of Health	E871027 NELAP	06/30/2020
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2020
ME	State of Maine	2011028	06/9/2021
VA	Commonwealth of Virginia	460217	12/14/2019
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2020
VT-DW	Vermont Department of Health Drinking Water	VT-255716	06/12/2020
NC-DW	North Carolina Department of Health	25703	07/31/2020
PA	Commonwealth of Pennsylvania DEP	68-05812	06/30/2020

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JOK INDA

Prepackaged Cooler? Y / N Glassware in freezer? Y / N *Contest is not responsible for missing samples from prepacked Chain of Custody is a legal document that must be complete and accurate and is used to determine wha analyses the laboratory will perform. Any missing information is not the laboratory's responsibility. Con Test values your partnership on each project and will try to assist with missing information, but will not I Glassware in the fridge? Disclaimer: Con-Test Labs is not responsible for any omitted information on the Chain of Custody. The S = Sulfuric Acid
B = Sodium Bisulfate
X = Sodium Hydroxide ' Matrix Codes: GW = Ground Water WW = Waste Water DW = Drinking Water 2 Preservation Codes: Total Number Of Preservation Code Courier Use Only SL = Sludge SOL = Solid O = Other (please define) Thiosulfate
O - Other (please define) Non Soxhlet PCB ONLY coplers Soxhlet N = Nitric Actd M - Methanol BACTERIA Page / of ENCORE GLASS PLASTIC VIALS T = Sodium A = Air 보 possible sample concentration within the Conc H · High; M · Medium; L · Low; C · Clean; U · Please use the following codes to indicate NELKOMOANDA DAR ATIS BERKHING Chromatogram AIHA-LAP,LLC Code column above: ANALYSIS REQUESTED held accountable. Doc # 381 Rev 2_06262019 7015 MCP Certification Form Required RCP Certification Form Required MA MCP Required CT RCP Required MA State DW Required WRTA STULZW 71 \times East Longmeadow, MA 01028 ENCORE BACTERIA 39 Spruce Street Field Filtered Field Filtered Lab to Filter Lab to Filter ASUNDQUIST GOW CONSULTANTS, COM MOBRIEN & COW CONSULTANTS, LON PLASTIC School BOTH MBTA GLASS CHAIN OF CUSTODY RECORD VIALS 0 0 0 0 Conc. Code JC http://www.contestlabs.com ğ Municipality Brownfield Due Date: 10-Day 3-Day 4-Day CLP Like Data Pkg Required: comp PFAS 10-Day (std) 44 % to Government 0930 Email To: 200 000 11.24 6830 1030 1200 002 1300 1000 1,00 ormat: Federal Other: '-Day -Day Client Comments: Project Entity Beginning Date/Time 19.19 MIKE OBRIEN レス インチ Email: info@contestlabs.com DRIVE WATICK MA COW CONSUCTANTS UMASS WALTHAM BEAVER ST WALTHAM Clent Sample 10 / Description Phone: 413-525-2332 6+72.11 ate/Time: Fax: 413-525-6405 Date/Time: Date/Time: Date/Time: Sampled By: ALAN SUNDQUIST ALAN SUNDQUIST H8-1 48-5 HB-6 46-10 H8-14 11-8H 118-7 HB-8 HB-1 205 Con-test Con-Test Quote Name/Number: も合めて Refinquished by: (signature) lelinquished by: (signature) 03 ろり O S O (eceived by: (signature) Received by: (signature) Con-Test Work Order# Project Location: Project Manager: nvoice Recipient Project Number: Address:

I Have Not Confirmed Sample Container
Numbers With Lab Staff Before Relinquishing
Over Samples_____



Doc# 277 Rev 5 2017

				ng - Using Accept		ny False	
State	ment will be broug	ght to the at	ttention of th	ne Client - State Ti	rue or False		
Client (DW	lonsultants	·					
Received By		SA_	Date	11 22	Time	1600	
How were the samples	In Cooler	T	No Cooler	l On Ice	· T	No Ice	
received?	Direct from Samp	ling		Ambien	nt	Melted Ice	
Were samples within		By Gun #	5	Actual Te	emp - 2.1		
Temperature? 2-6°C	7	By Blank #		Actual Te			
Was Custody S	eal Intact?	NA	Were	Samples Tamper		NA	
Was COC Relin	nquished?	T		Chain Agree With S		T	
Are there broken/	eaking/loose caps	on any sam		E	·		
Is COC in ink/ Legible?				oles received within	•	<u> </u>	
Did COC include all	Client		Analysis		pler Name		
pertinent Information?	Project		ID's	Collection	on Dates/Times	ST	
Are Sample labels filled Are there Lab to Filters?		<u> </u>		Who was notified?)		
Are there Rushes?	•			Who was notified?			
Are there Short Holds?	•	=		Who was notified?	*****		
ls there enough Volume	.?			TTTO Was Hothica:	***************************************		
ls there Headspace whe		141	M	S/MSD? F			
Proper Media/Container	s Used?	-F-5A-	Is	splitting samples r	equired?	F	
"ere trip blanks receive	-	E		n COC? F	·····		
o all samples have the	proper pH?		Acid _	IVA_	Base	<u>NA</u>	
Viala #	Condinos	#		a a			#
Jnp-	1 Liter Amb.		1 Liter Pla			z Amb.	1(1)
-ICL-	500 mL Amb.		500 mL PI			nb/Clear	
Meoh- Bisulfate-	250 mL Amb.		250 mL Pl			nb/Clear	
Ol-	Flashpoint		Col./Bact		20Z An	nb/Clear	
	Other Glass		Other Pla	netic	En	core	
	Other Glass SOC Kit		Other Pla Plastic B			core	
Thiosulfate- Sulfuric-	Other Glass SOC Kit Perchlorate		Other Pla Plastic B Ziplocl	3ag	Frozen:	core	
Thiosulfate-	SOC Kit		Plastic B Ziplocl	Bag k		core	
Thiosulfate- Sulfuric-	SOC Kit Perchlorate		Plastic B	Bag k		core	a
Thiosulfate- Sulfuric-	SOC Kit Perchlorate Containers: 1 Liter Amb.	#	Plastic B Ziplocl	Bag k dia	Frozen:	core	#
Thiosulfate- Sulfuric- Mals Jnp- HCL-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb.	# ************************************	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pla	Bag k Idia Idia astic astic	Frozen: 16 oz 8oz Arr	2 Amb. nb/Clear	
Fhiosulfate- Sulfuric- Fiels Jnp- HCL- Meoh-	SOC Kit Perchlorate Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb.	#	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pla 250 mL Pla	Bag k dia dia astic lastic astic	Frozen: 16 oz 8oz An 4oz An	z Amb. nb/Clear nb/Clear	#
Fhiosulfate- Sulfuric- Fals Jnp- HCL- Meoh- Bisulfate-	SOC Kit Perchlorate Containers 1. Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria	· .	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo	Bag k dia dia astic astic astic int	Frozen: 16 oz 8oz An 4oz An 2oz An	z Amb. nb/Clear nb/Clear nb/Clear	
Fhiosulfate- Sulfuric- Fals Jnp- HCL- Meoh- Bisulfate- DJ-	SOC Kit Perchlorate Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic		Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla	Bag k dia	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear	
Fhiosulfate- Bulfuric- Fals # Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	# · · · · · · · · · · · · · · · · · · ·	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla Plastic B	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8oz An 4oz An 2oz An	z Amb. nb/Clear nb/Clear nb/Clear	#
Fhiosulfate- Sulfuric- Fals Jnp- HCL- Meoh- Bisulfate- DJ-	SOC Kit Perchlorate Containers 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic		Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear nb/Clear	
Thiosulfate- Sulfuric- Talis Jnp- ICL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla Plastic B	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear nb/Clear	
Thiosulfate- Bulfuric- Tals Jnp- HCL- Meoh- Bisulfate- DI- Thiosulfate- Bulfuric-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	**************************************	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla Plastic B	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear nb/Clear	#
Thiosulfate- Sulfuric- Talis Jnp- ICL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit		Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla Plastic B	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear nb/Clear	
Thiosulfate- Sulfuric- Talis Jnp- ICL- Meoh- Bisulfate- DI- Thiosulfate- Sulfuric-	SOC Kit Perchlorate Containers: 1 Liter Amb. 500 mL Amb. 250 mL Amb. Col./Bacteria Other Plastic SOC Kit	# 1	Plastic B Ziplocl Unused Me 1 Liter Pla 500 mL Pl 250 mL Pl Flashpo Other Gla Plastic B	Bag k Idia Bastic lastic lastic lint lass Bag	Frozen: 16 oz 8 oz An 4 oz An 2 oz An	z Amb. nb/Clear nb/Clear nb/Clear	#

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